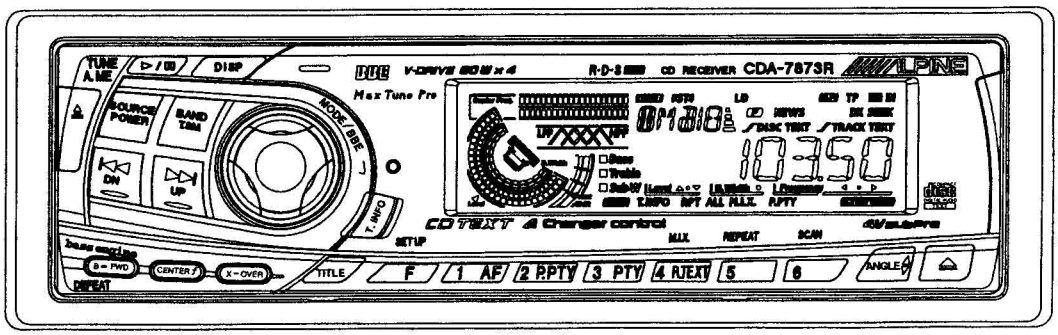
ALPINE

SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

COMPACT disc DIGITAL AUDIO TEXT



CDA-7873R

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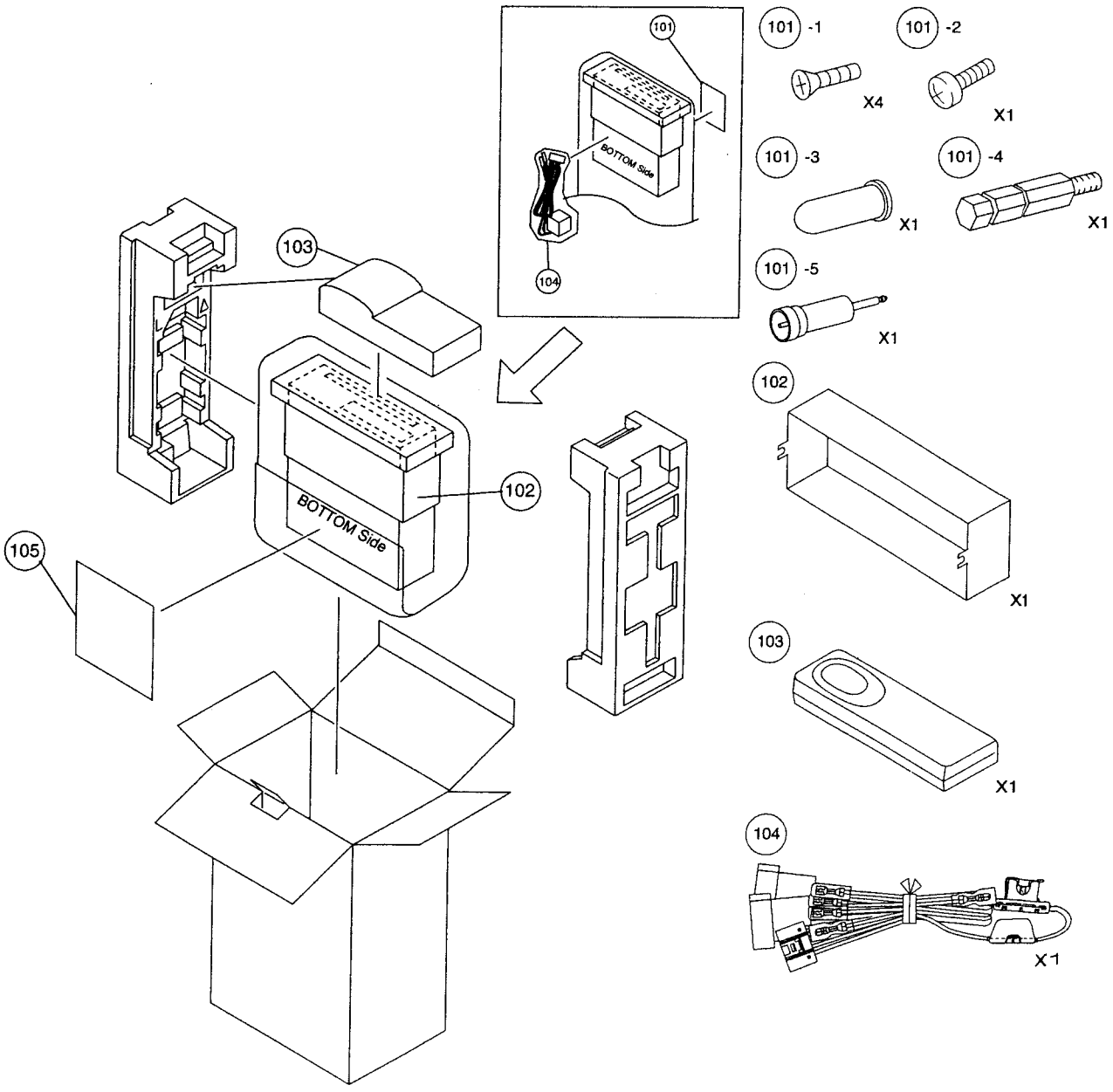
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	03S68555F26	SCR,WAVE M1.7X4
101-3	36A11113W01	CAP,RUBBER(A)
101-4	03A11112W01	BOLT,HEX.M5(A)
101-5	01T15394Y02	ANT,JASO-ISO

Symbol No.	Part No.	Description
102	15D50406W01	CASE,INNER
103	15D01798K01	CARRYING,CASE
104	01T35536Y01	ASSY,WIRE ISO 65R0
105	68P01434K31	O/M AOEU AODN

Packing Method View



CDA-7873R

Specifications

<FM RADIO>

Intermediate Frequency ..... 10.7±0.1MHz
Frequency Range ..... 87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz) 17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz) 21.2dBf
Residual Noise (Ref. 400Hz (narrow), at 98.1MHz) ..... 25±10dB
S/N Ratio (at 98.1MHz) ..... Stereo : 55dB
Mono : 60dB
Image Rejection (at 106.1MHz) 40dB
IF Rejection (at 90.1MHz) 60dB
Distortion (Input 60dBμ, at 98.1MHz) 1%
Frequency Response (Ref. 400Hz, at 98.1MHz) ..... 100Hz : 0±3dB
10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz) 20dB
PS Sensitivity (at 98.1MHz) 36.2dBf

<MW RADIO>

Intermediate Frequency ..... 1st. : 10.7MHz
2nd. : 450kHz
Frequency Range ..... 531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz) 34dB
S/N Ratio (at 999kHz) 44dB
Image Rejection (at 1,404kHz) 50dB
IF Rejection (at 603kHz) 60dB
Distortion (at 999kHz) 1.5%
Frequency Response (Ref. 400Hz, at 999kHz) ..... 100Hz : -3±4dB
4kHz : -11+6, -12dB

<LW RADIO>

Intermediate Frequency ..... 1st. : 10.7MHz
2nd. : 450kHz
Frequency Range ..... 153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz) 42dB
S/N Ratio (at 216kHz) 44dB
Image Rejection (at 270kHz) 50dB
IF Rejection (at 162kHz) 60dB
Distortion (at 216kHz) 1.5%
Frequency Response (Ref. 400Hz, at 216kHz) ..... 100Hz : -3±4dB
4kHz : -11+6, -12dB

<CD SECTION>

System ..... Optical (Compact Disc System)
Quantizing Bit Number ..... 16bit Linear system
Channels ..... 2 Channels
Channel Balance (1kHz) ..... 0±3dB
Distortion (1kHz) 0.1%
Frequency Response (Ref. 1kHz) ..... 17Hz : 0±3dB
127Hz : 0±2dB
10.007kHz : 0±2dB
19.997kHz : 0±4dB
S/N Ratio 95dB
Separation (1kHz) 55dB
De-Emphasis (Ref. 1kHz) ..... 4kHz : -20±3dB
16kHz : -20±3dB

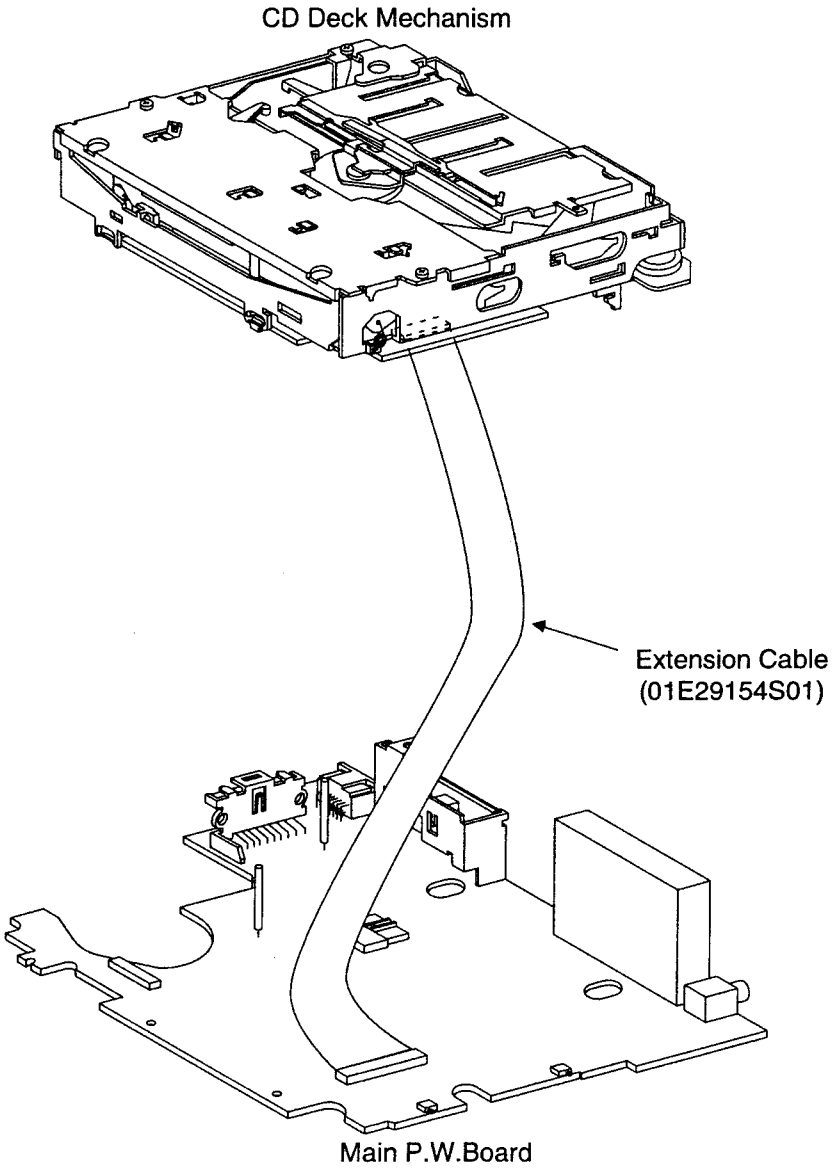
<GENERAL>

Power Supply DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance 25W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz)) /Impedance ..... 2V±2.5dBV/10Kohm
SUB. W Output (T.H.D. 1%, TCD-782 (0dB, 1kHz), STEP +15) /Impedance ..... 4V±2.5dBV/10Kohm
Dimensions (W×H×D) ..... Chassis : 178×50×158mm
Nose : 188×58×24.5mm
Weight 1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

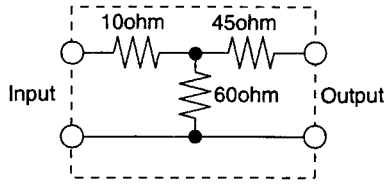
● When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



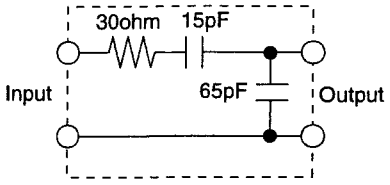
Adjustment Procedures

1. FM/AM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator Figure 1



For 50 ohm AM Signal Generator Figure 2

(2) Connections

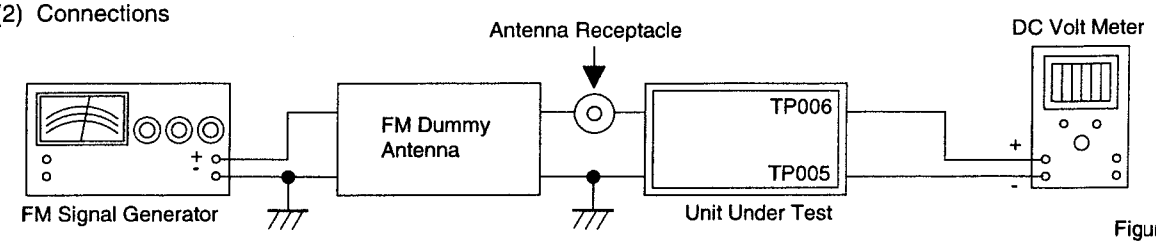


Figure 3

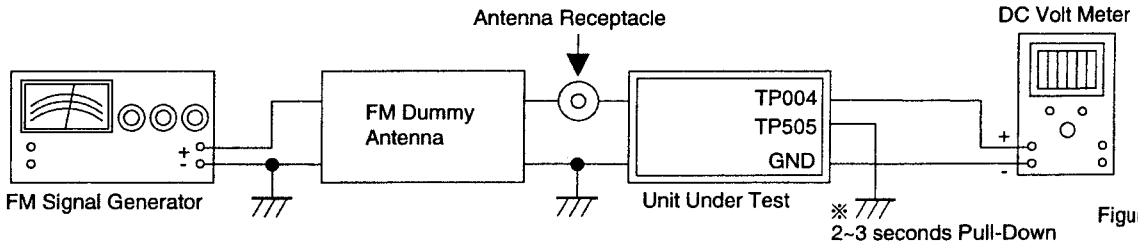


Figure 4

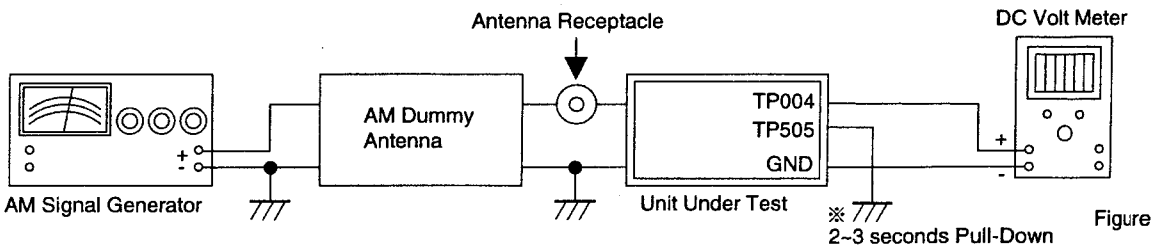


Figure 5

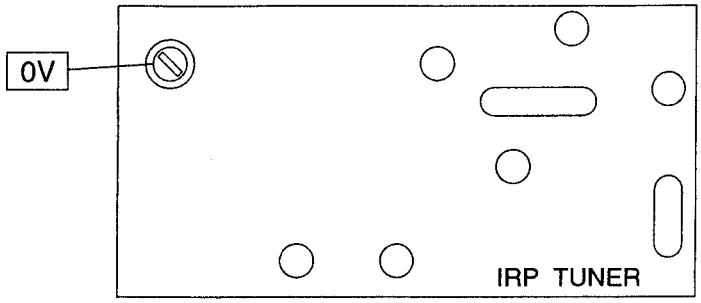
(3) Control Settings

Power Switch	ON	Bass Control	Center Position
Fader Control	Center Position	Band Switch	FM/AM (MW)
Balance Control	Center Position	BBE Switch	OFF
Treble Control	Center Position	Others	OFF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator		Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	IF Adjustment	Figure 3	98.1MHz, 72dBμ (Mod. 400Hz, Dev. 40kHz)		98.1MHz	TP005 (1-B) TP006 (1-B)	Adjust 0V to 0±30mV.
2	FM Signal Meter Adjustment	Figure 4	(1)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 3±0.1V → OK (SPEC) TP004 : others 3±0.1V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	98.1MHz, 46~48dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	98.1MHz, 51dBμ (Mod. 400Hz, Dev. 40kHz → Mod. OFF)	98.1MHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).
3	AM Signal Meter Adjustment	Figure 5	(1)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP505 (Pull-Down) for 2~3 seconds. (SPEC) TP004 : 1.4±0.15V → OK (SPEC) TP004 : others 1.4±0.15V → NG NOTE : NG : Proceed same Auto Adjustment of step (1) under step (2).
			(2)	999kHz, 27~29dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (2).
			(3)	999kHz, 32dBμ (Mod. 400Hz, 30% → Mod. OFF)	999kHz	TP004 (1-C) TP505 (1-C)	Proceed same Auto Adjustment of step (1) under step (3).

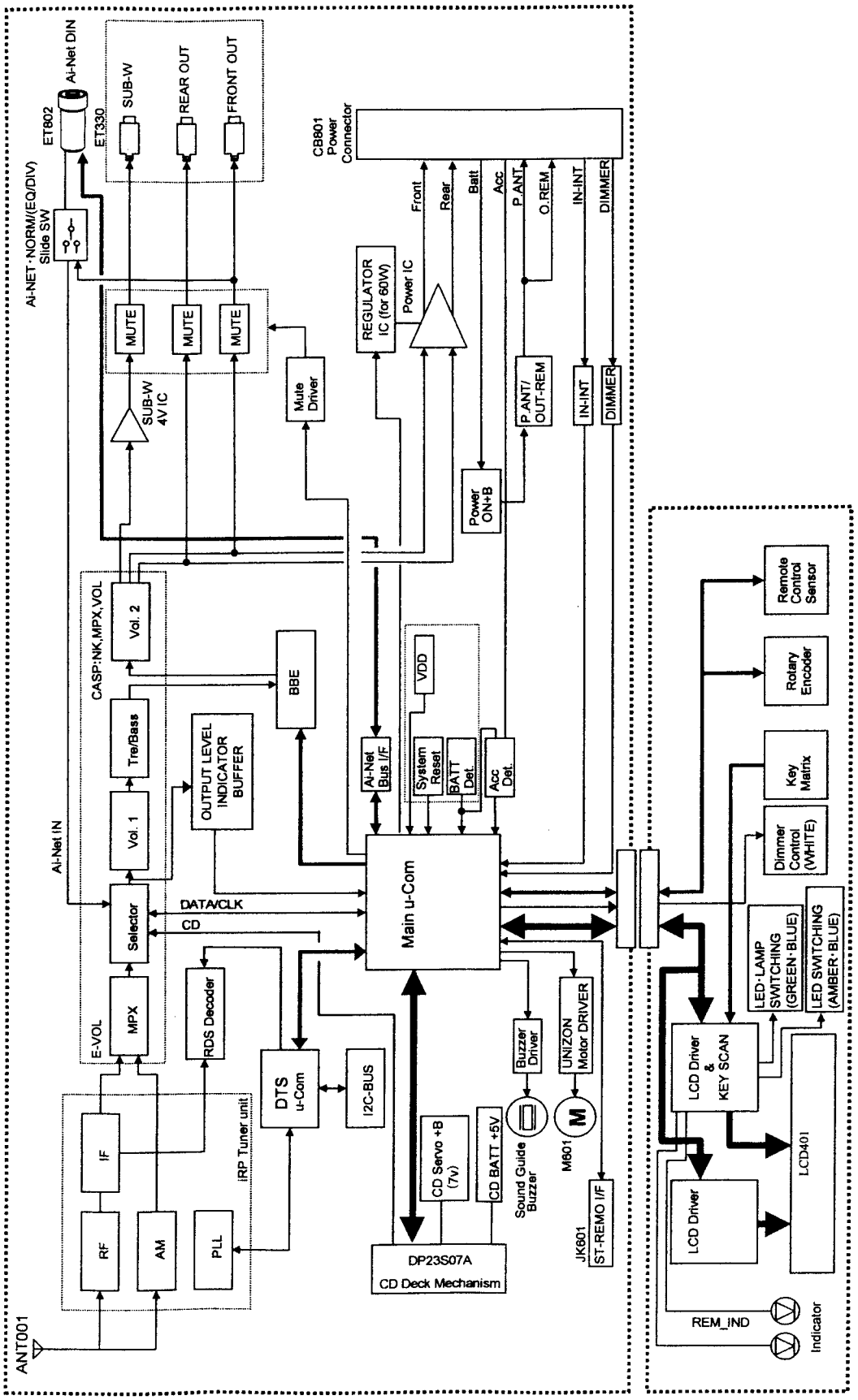
Adjustment Locations



MB4R9030, FM/AM UNIT (TU001)

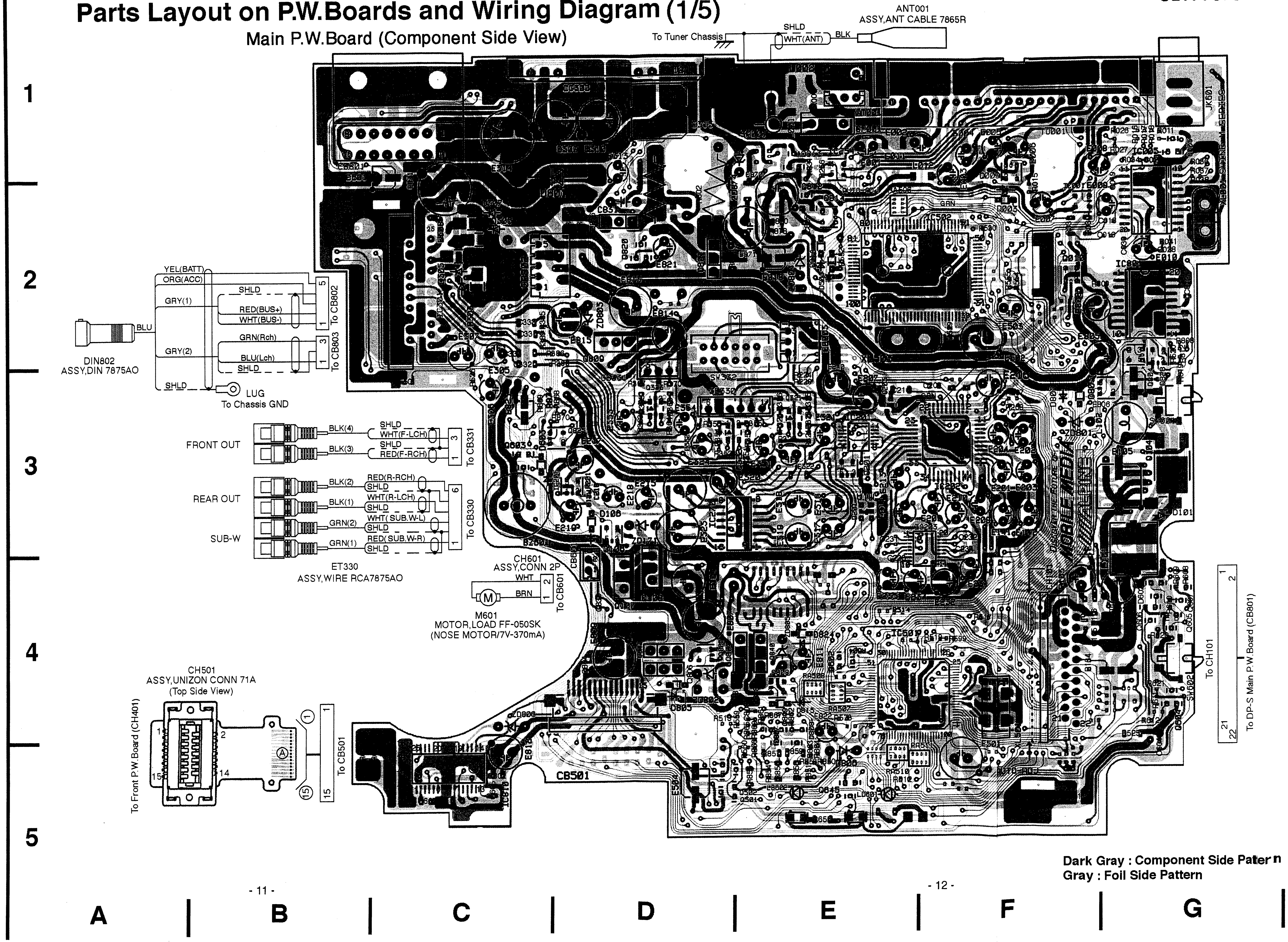
NOTE : For the Test Points, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

Block Diagram



Parts Layout on P.W.Boards and Wiring Diagram (1/5)

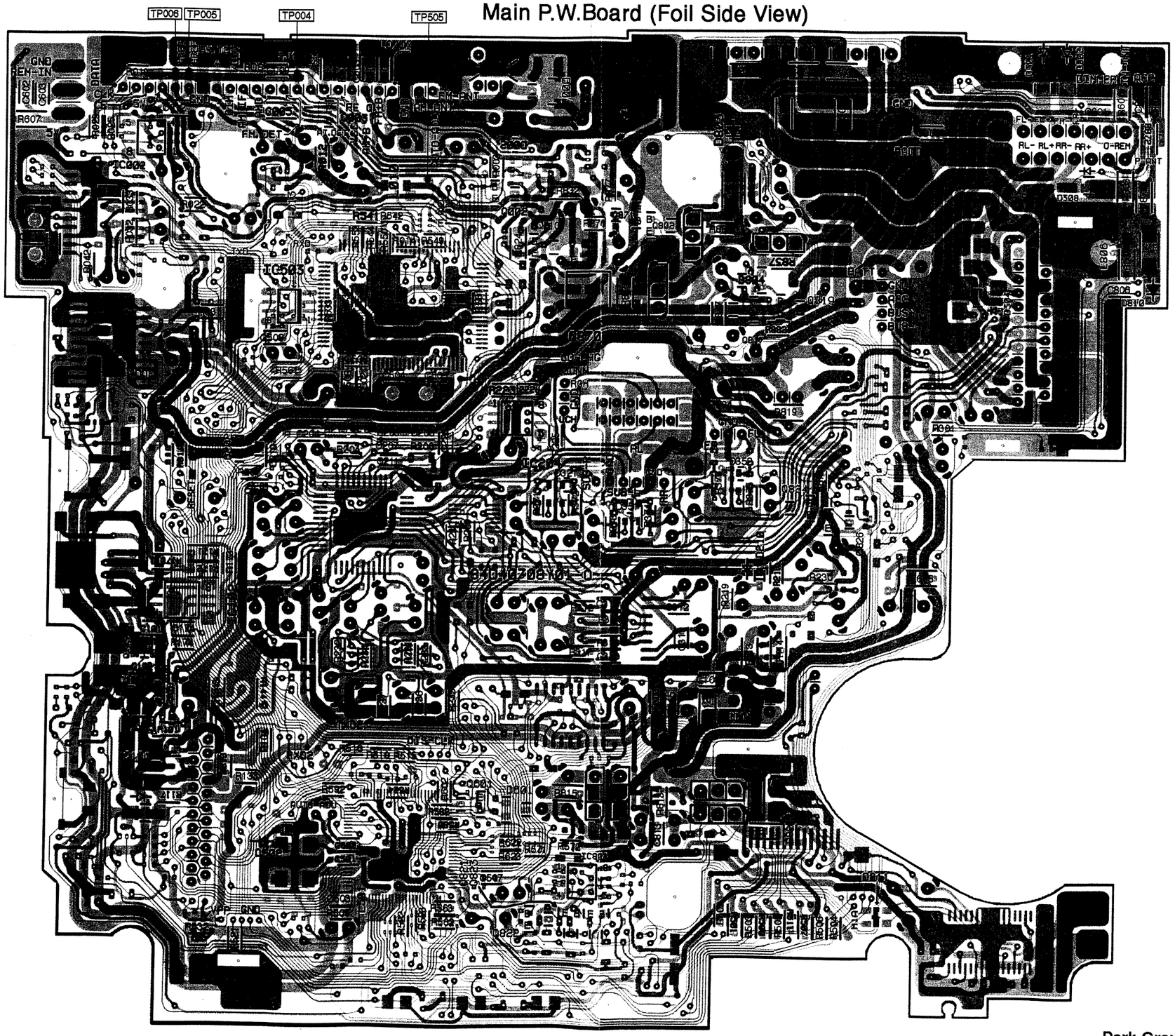
Main P.W.Board (Component Side View)


ANT001
ASSY,ANT CABLE 7865R
To Tuner Chassis
SHLD
WHT(ANT)
BLK
YEL(BATT)
ORG(ACC)
SHLD
GRY(1)
RED(BUS+)
WHT(BUS-)
To CB802
BLU
GRN(Rch)
GRY(2)
BLU(Lch)
SHLD
To CB803
DIN802
ASSY,DIN 7875AO
SHLD
LUG
To Chassis GND
FRONT OUT
BLK(4)
SHLD
WHT(F-LCH)
BLK(3)
SHLD
RED(F-RCH)
To CB331
REAR OUT
BLK(2)
RED(R-RCH)
SHLD
BLK(1)
WHT(R-LCH)
SHLD
SUB-W
GRN(2)
WHT(SUB.W-L)
SHLD
GRN(1)
RED(SUB.W-R)
SHLD
To CB330
ET330
ASSY,WIRE RCA7875AO
CH601
ASSY,CONN 2P
WHT
BRN
To CB601
M601
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
CH501
ASSY,UNIZON CONN 71A
(Top Side View)
To Front P.W.Board (CH401)
To CB501
CB501
To CH101
To DP-S Main P.W.Board (CB801)
JK601
TU001
IC502
IC801
IC501
IC202
SW332
SW602
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Patter n
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/5)

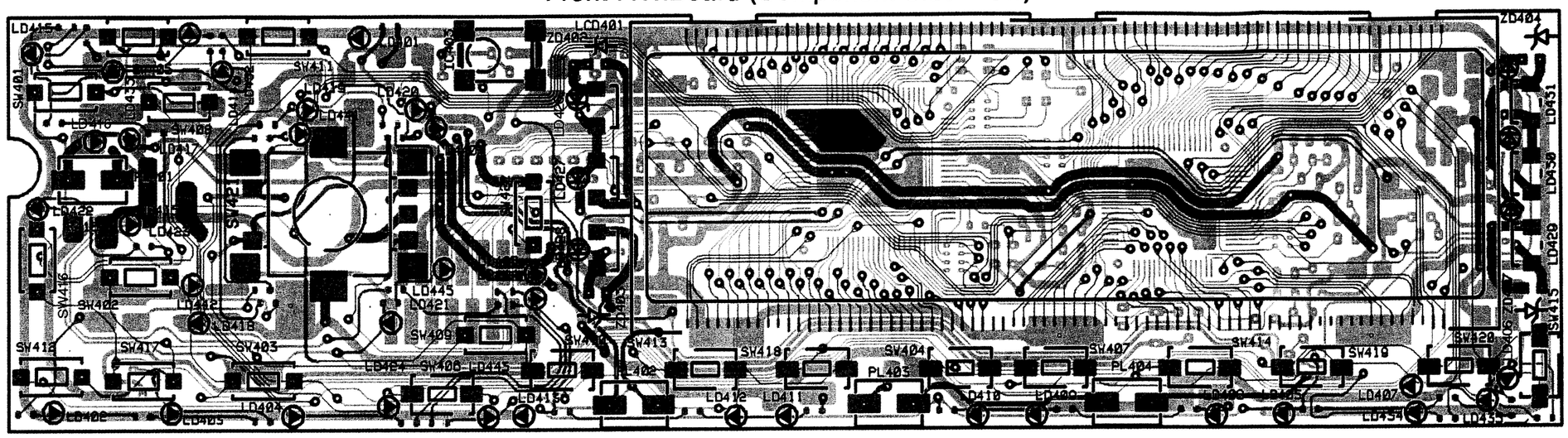
Main P.W.Board (Foil Side View)



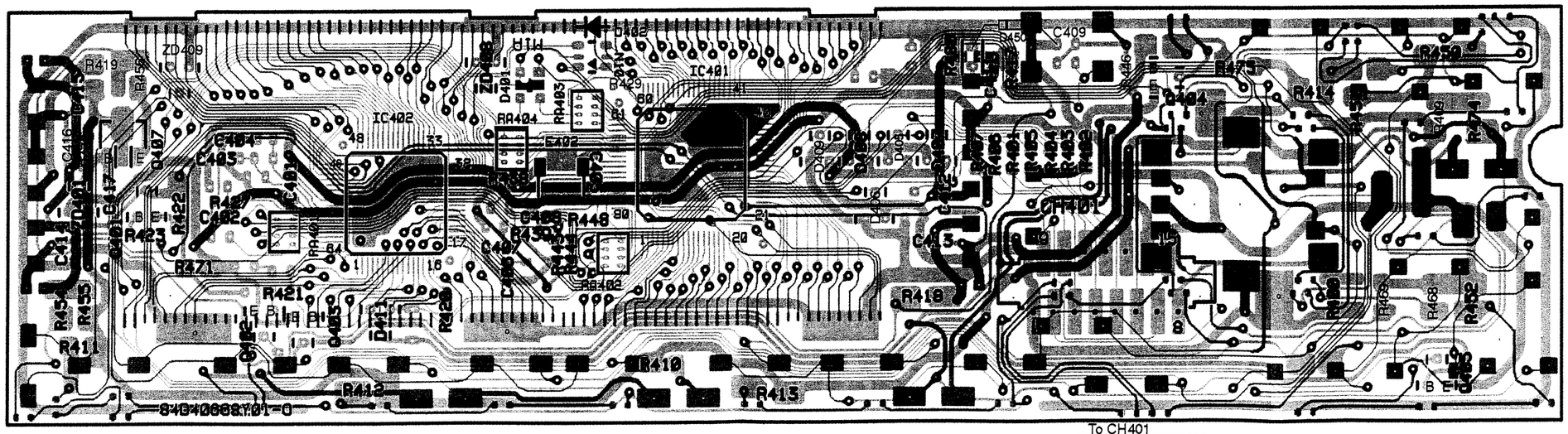
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/5)

Front P.W.Board (Component Side View)



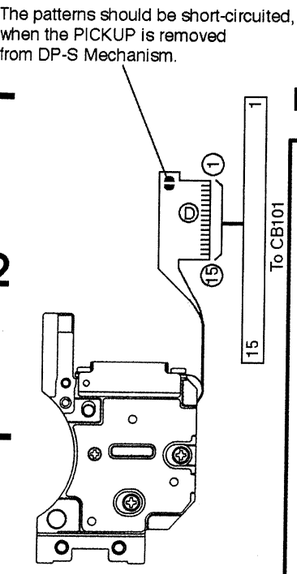
Front P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

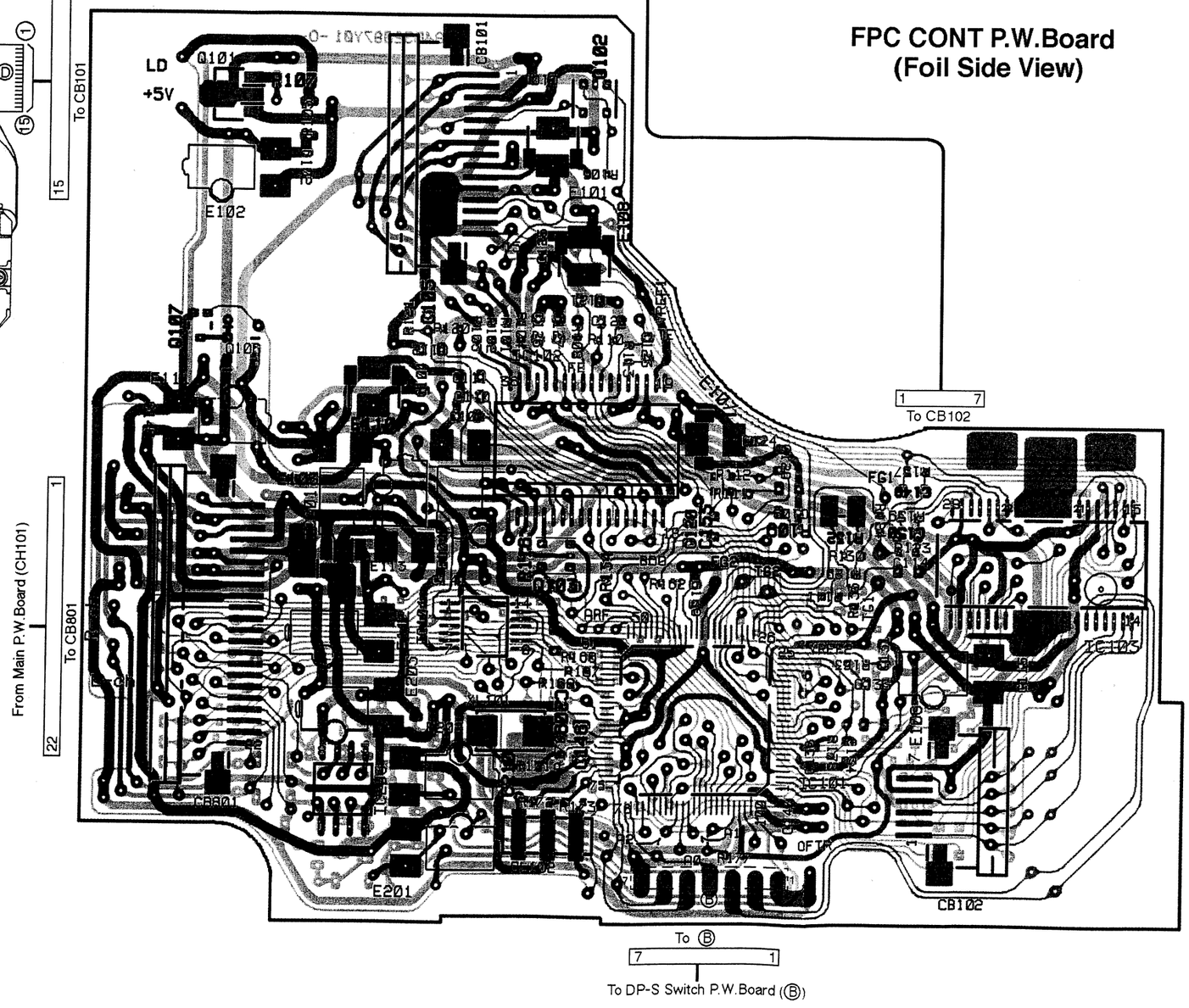
Parts Layout on P.W.Boards and Wiring Diagram (4/5)

The patterns should be short-circuited, when the PICKUP is removed from DP-S Mechanism.

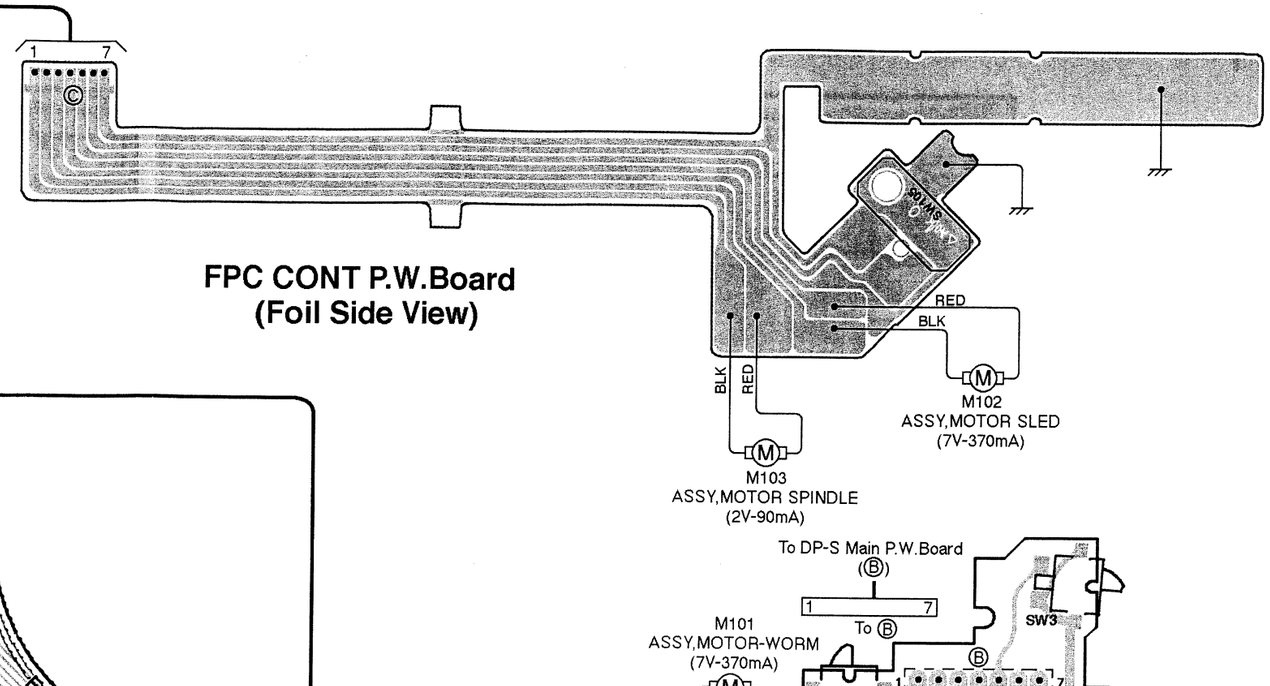


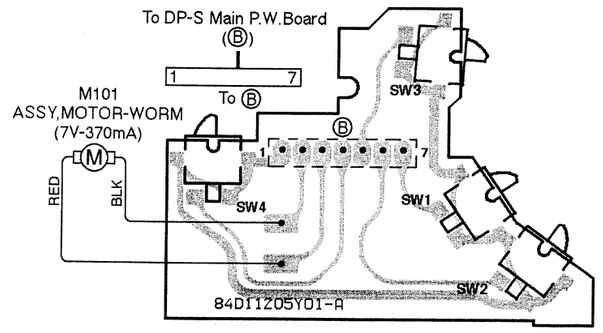
HD101
PICKUP,EP21A65L

DP-S Main P.W.Board (Foil Side View)



FPC CONT P.W.Board (Foil Side View)



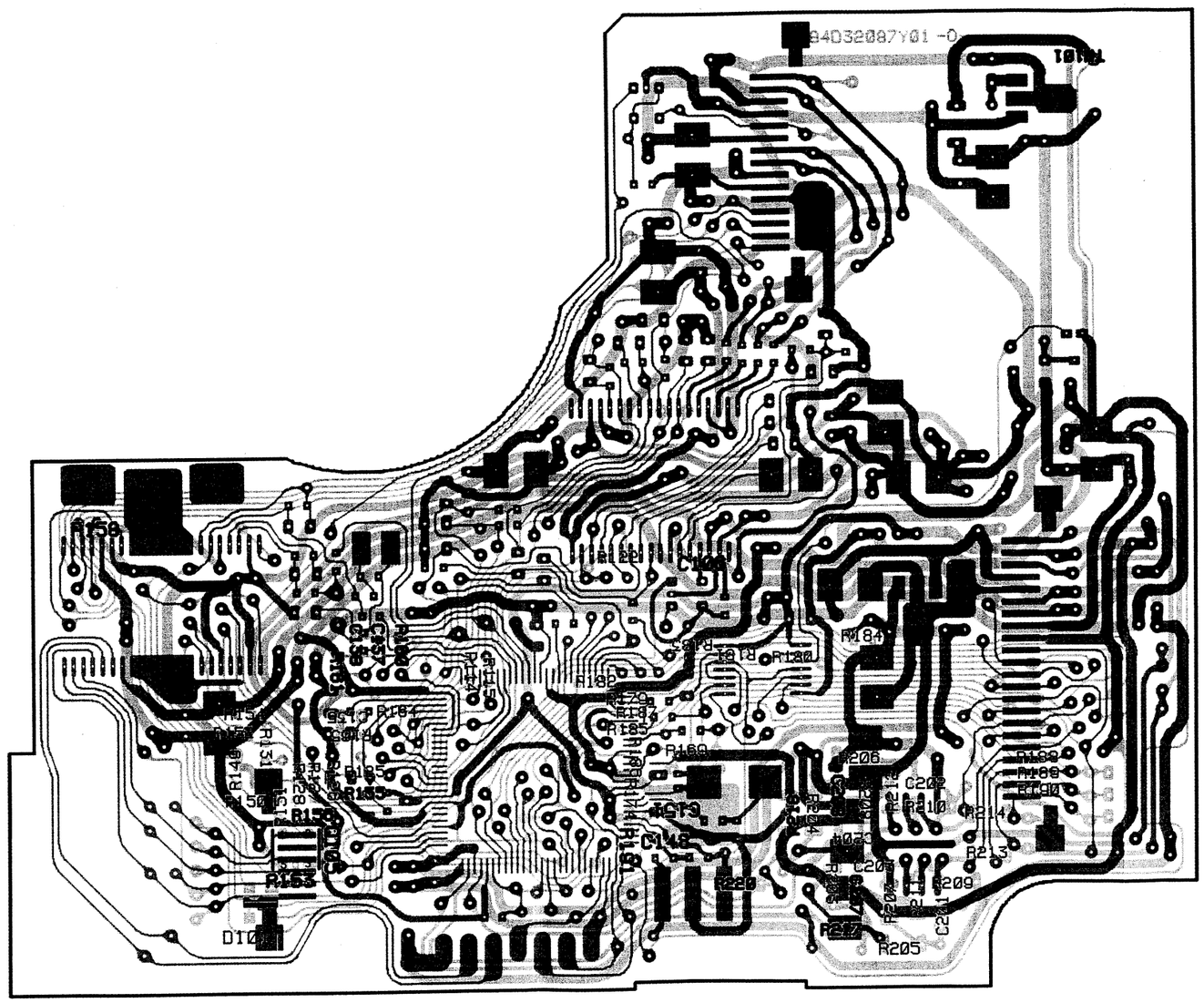


DP-S Switch P.W.Board (Foil Side View)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/5)

DP-S Main P.W.Board (Component Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

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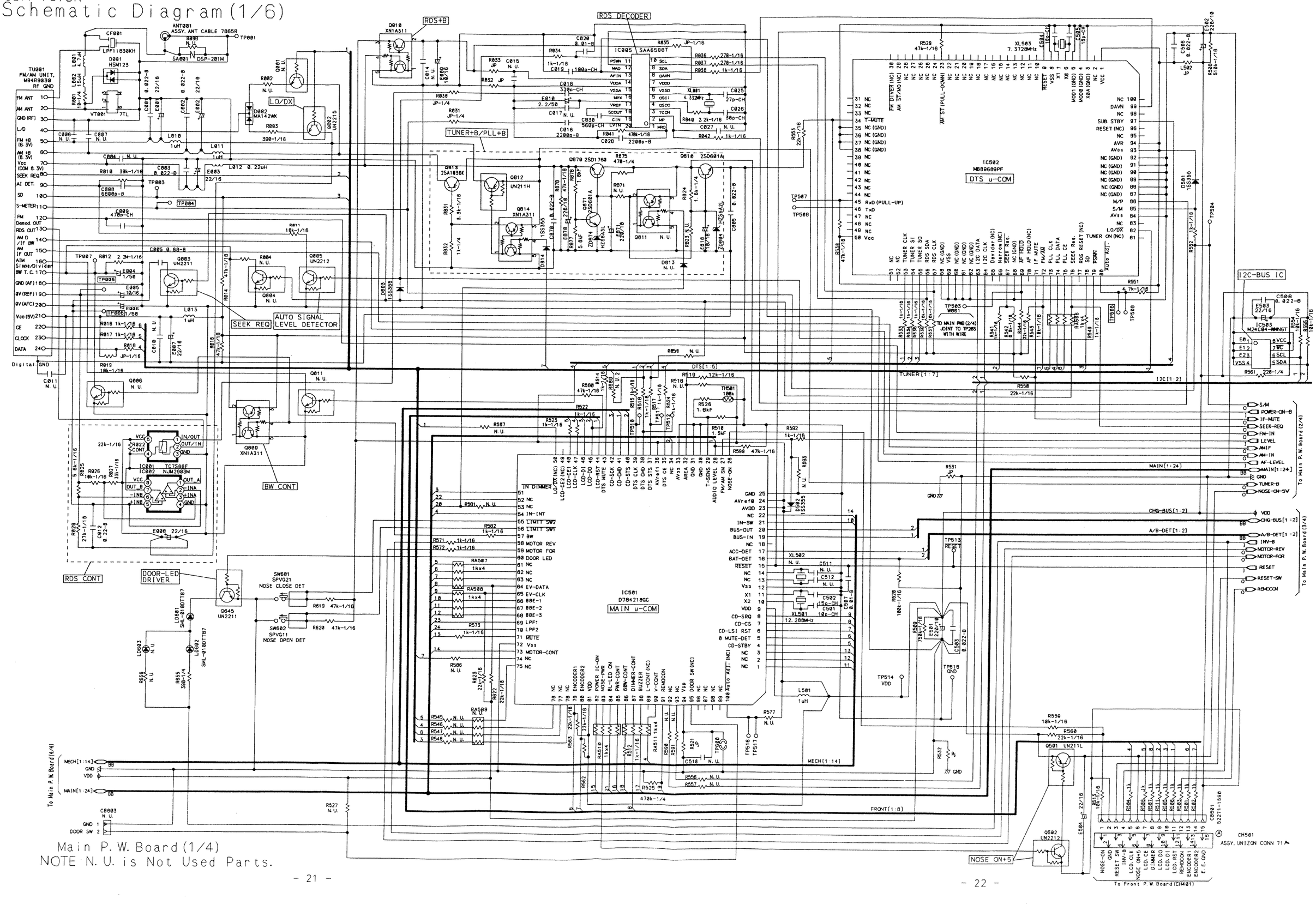
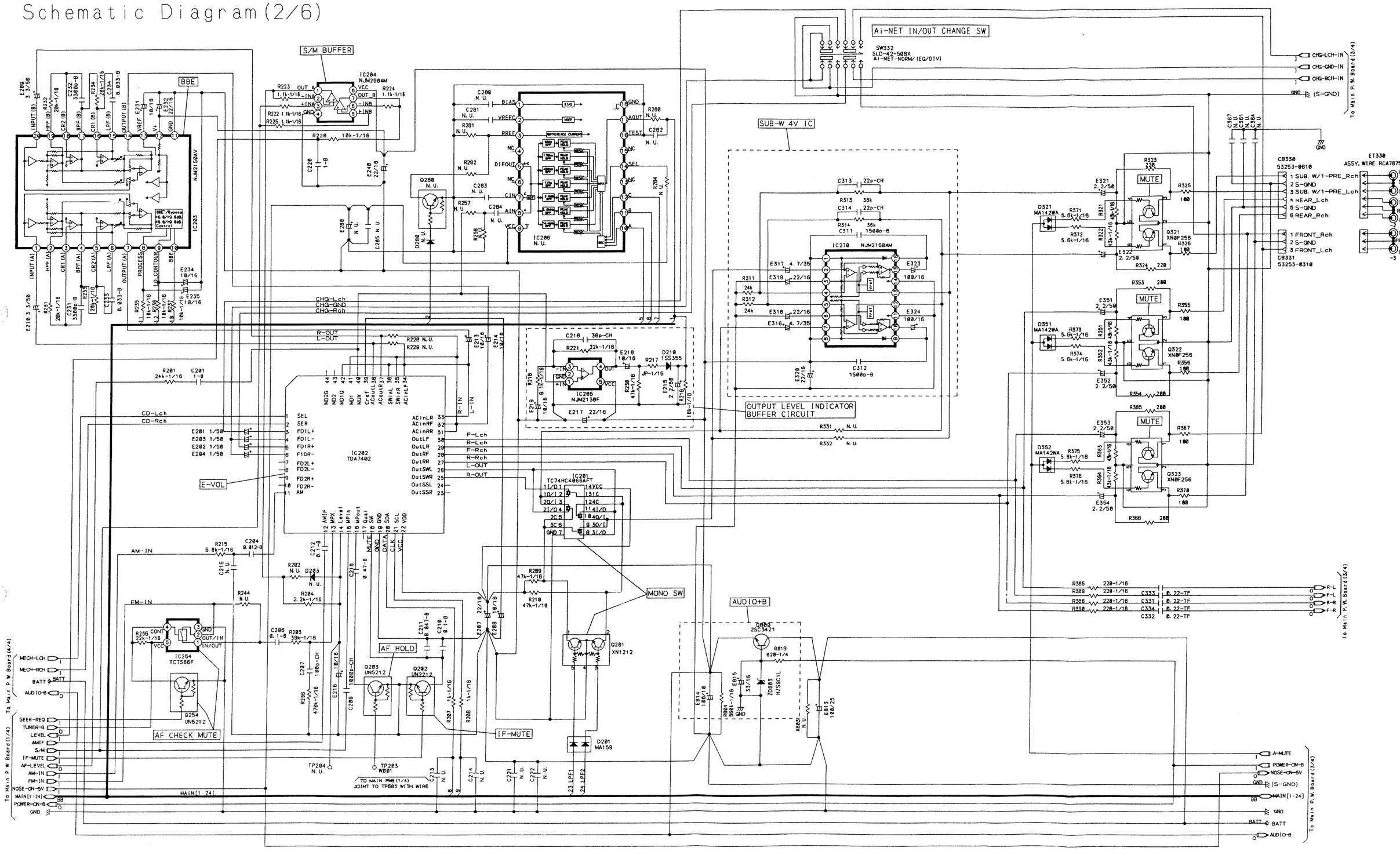
Schematic Diagram (1/6)



Main P. W. Board (1/4)

NOTE N. U. is Not Used Parts.

Schematic Diagram (2/6)



Main P. W. Board (2/4)

NOTE : N. U. is Not Used Parts.

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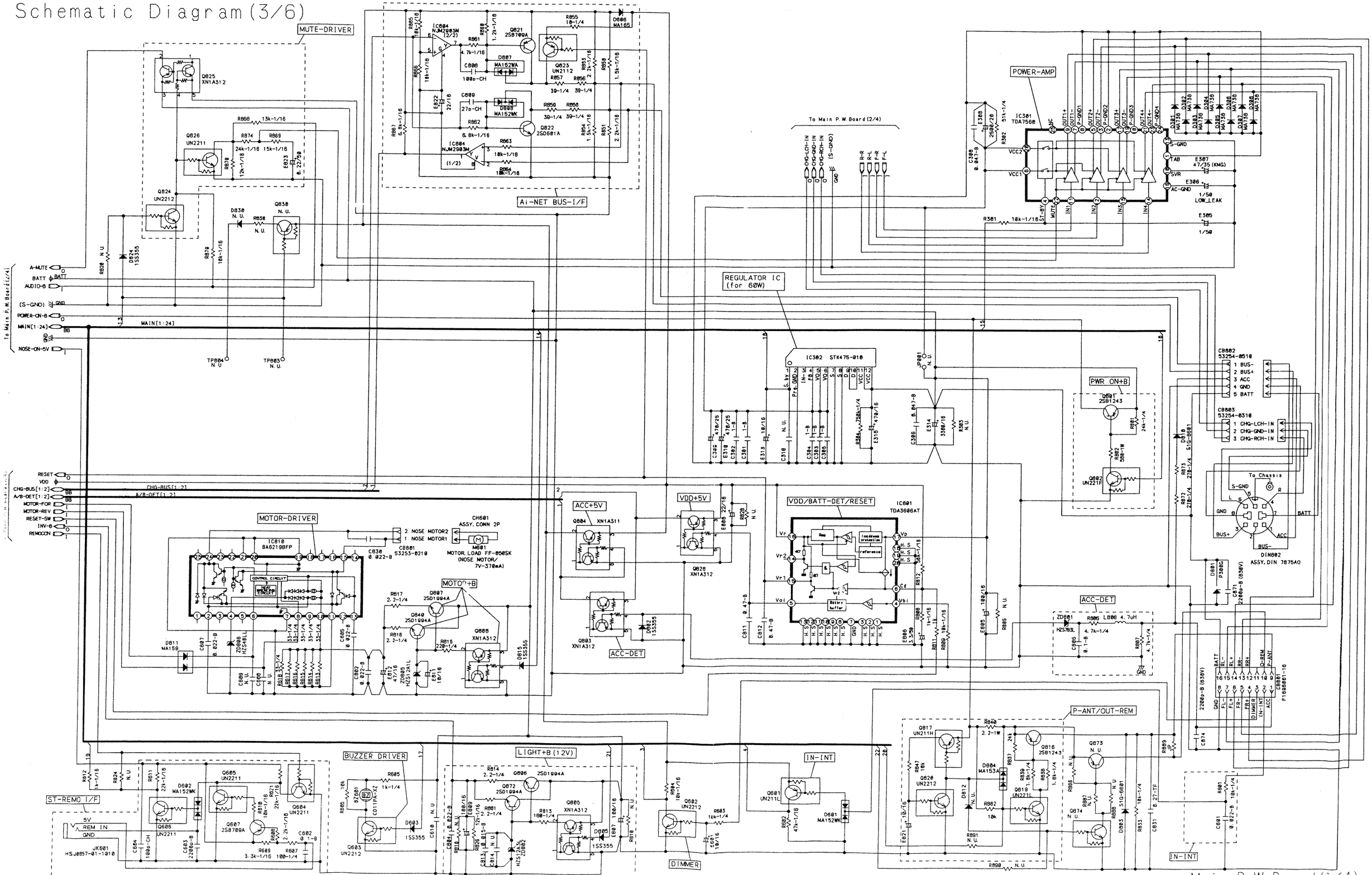
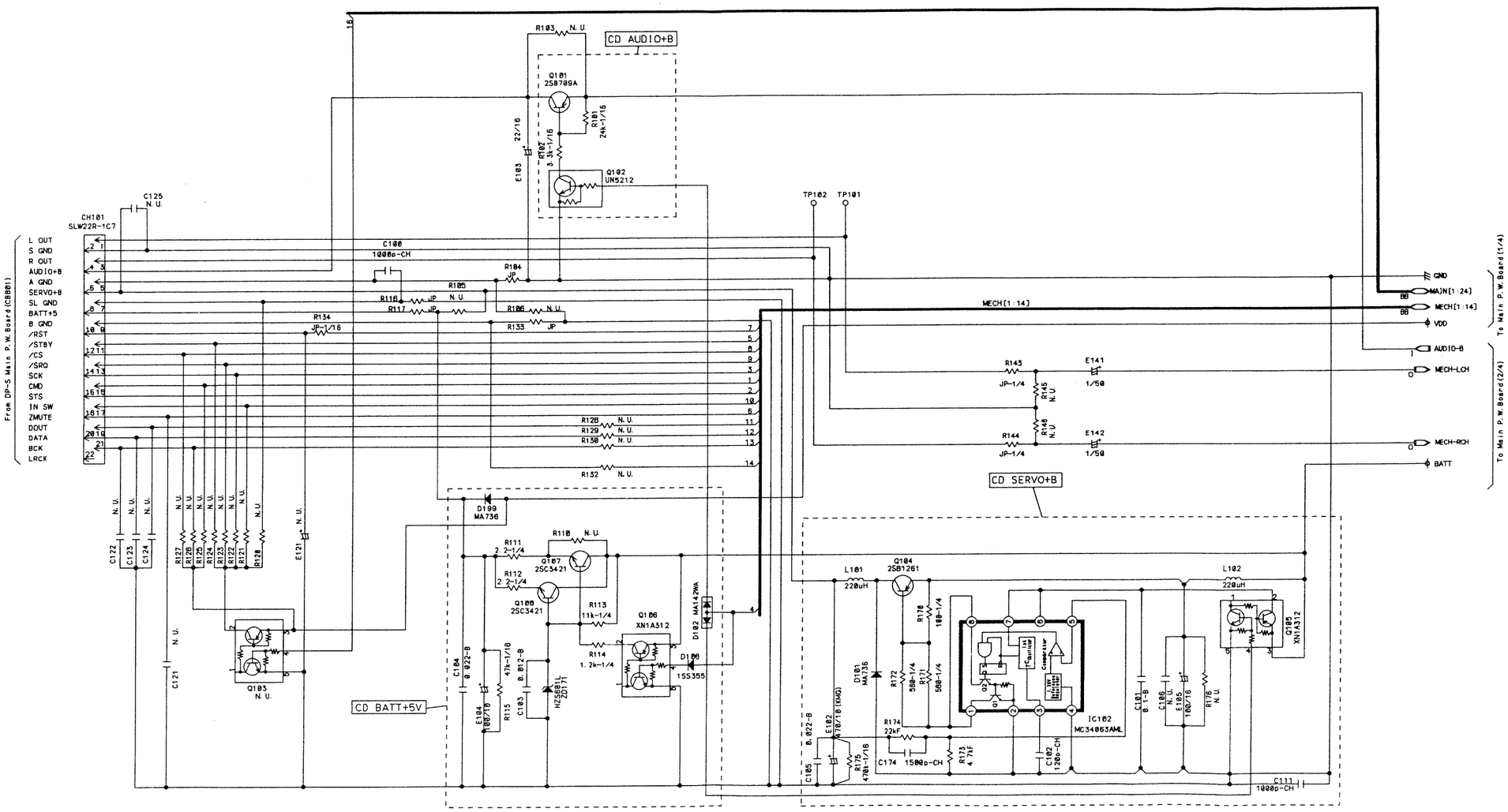
Schematic Diagram (3/6)



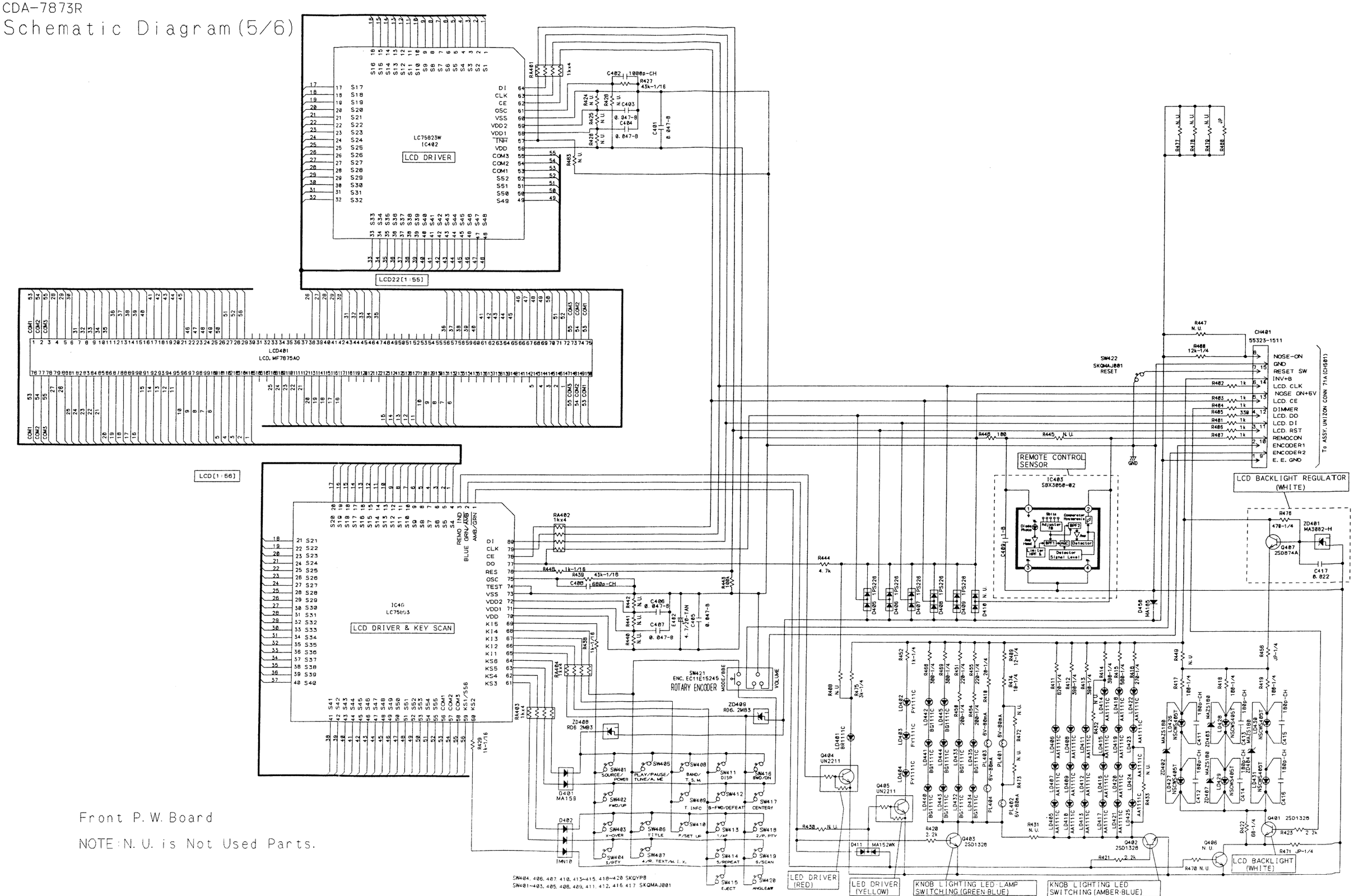
Schematic Diagram (4/6)



Main P.W. Board (4/4)

NOTE : N.U. is Not Used Parts.

Schematic Diagram (5/6)

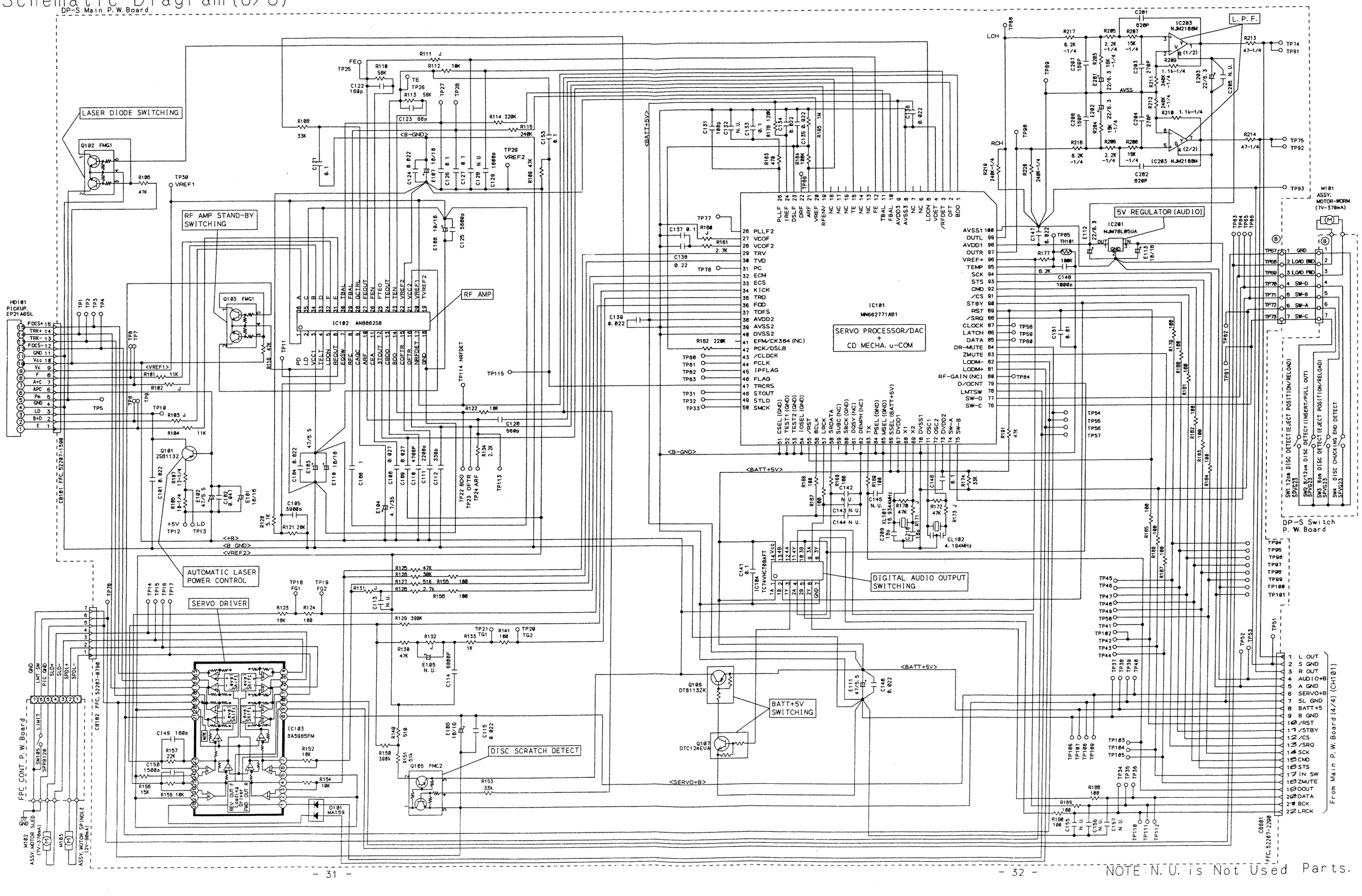


Front P. W. Board

NOTE : N. U. is Not Used Parts.

Schematic Diagram (6/6)

DP-S Main P.W.Board



NOTE N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC001		
1	4.9	
2	4.9	
3	0	
4	8.32/0	POWER ON/SEEK
5	8.32	

IC002		
1	8.3	
2	4.7	
3	5.67	
4	0	
5	4.7	
6	4.1	
7	8.3/0	POWER ON/SEEK
8	8.3	

IC005			
1	0	11	4.86
2	0	12	0
3	0	13	2.44
4	CLK	14	4.87
5	2	15	0
6	0	16	2.43
7	5	17	2.44
8	4.87	18	2.44
9	4.98	19	2.42
10	4.98	20	2.44

IC102	
1	PS
2	0
3	0.6
4	0
5	1.3
6	14.0
7	14.2
8	PS

IC201	
1	4.36
2	4.36
3	4.36
4	4.36
5	5.66
6	5.65
7	0
8	4.37
9	4.37
10	4.37
11	4.37
12	8.63
13	8.6
14	8.74

IC202							
1	4.34	12	4.36	23	NC	34	4.38
2	4.34	13	4.34	24	NC	35	4.38
3	4.34	14	0	25	4.39	36	4.38
4	4.34	15	0.96	26	4.39	37	4.39
5	4.34	16	4.70	27	4.39	38	4.39
6	4.22	17	NC	28	4.39	39	4.39
7	NC	18	3.6	29	4.39	40	4.39
8	NC	19	0	30	4.39	41	4.38
9	NC	20	4.99	31	4.38	42	4.38
10	NC	21	4.99	32	4.38	43	NC
11	4.34	22	8.80	33	4.38	44	NC

IC203							
1	4.40	6	4.40		11	0	16	4.42
2	4.41	7	4.43		12	8.82	17	4.42
3	4.41	8	0		13	4.38	18	4.36
4	4.41	9	4.61/0	BBE ON/OFF	14	4.44	19	4.36
5	4.42	10	4.62/0	BBE ON/OFF	15	4.41	20	4.37

IC204			
1	0	5	0
2	0	6	0
3	0	7	0
4	0	8	8.63

IC205	
1	4.2
2	0
3	4.2
4	8.6
5	4.2

IC254		
1	2.8	
2	2.8	
3	0	
4	8.35/0	SEEK OFF/ON
5	8.35	

IC270			
1	8.71	9	8
2	3	10	0.75
3	4.5	11	0
4	3	12	7.48
5	3	13	7.5
6	4.5	14	0
7	3	15	0.77
8	8.71	16	8

IC301				
1	0	14	6.9	
2	0	15	7	
3	PS	16	6.9	
4	5	17	6.9	
5	PS	18	0	
6	14.5	19	6.9	
7	PS	20	14.5	
8	0	21	6.9	
9	PS	22	5.3/0	MUTE OFF/ON
10	6.9	23	6.9	
11	7	24	0	
12	6.9	25	NC	
13	0			

IC302	
1	0
2	0
3	NC
4	14
5	14
6	14
7	0
8	0
9	NC
10	NC
11	14.3
12	14.3

IC401								
1	4.5/0	AMB/GRN	21	PS	41	PS	61	PS
2	4.5/0	BLU, GRN/AMB	22	PS	42	PS	62	PS
3	PS		23	PS	43	PS	63	PS
4	PS		24	PS	44	PS	64	PS
5	PS		25	PS	45	PS	65	PS
6	PS		26	PS	46	PS	66	PS
7	PS		27	PS	47	PS	67	PS
8	PS		28	PS	48	PS	68	PS
9	PS		29	PS	49	PS	69	PS
10	PS		30	PS	50	PS	70	4.86
11	PS		31	PS	51	PS	71	3.23
12	PS		32	PS	52	PS	72	1.65
13	PS		33	PS	53	PS	73	0
14	PS		34	PS	54	PS	74	0
15	PS		35	PS	55	PS	75	PS
16	PS		36	PS	56	PS	76	PS
17	PS		37	PS	57	PS	77	PS
18	PS		38	PS	58	PS	78	PS
19	PS		39	PS	59	PS	79	CLK
20	PS		40	PS	60	PS	80	PS

IC402							
1	PS	17	PS	33	PS	49	PS
2	PS	18	PS	34	PS	50	PS
3	PS	19	PS	35	PS	51	PS
4	PS	20	PS	36	PS	52	PS
5	PS	21	PS	37	PS	53	PS
6	PS	22	PS	38	PS	54	PS
7	PS	23	PS	39	PS	55	PS
8	PS	24	PS	40	PS	56	4.86
9	PS	25	PS	41	PS	57	4.89
10	PS	26	PS	42	PS	58	3.23
11	PS	27	PS	43	PS	59	1.64
12	PS	28	PS	44	PS	60	0
13	PS	29	PS	45	PS	61	PS
14	PS	30	PS	46	PS	62	PS
15	PS	31	PS	47	PS	63	PS
16	PS	32	PS	48	PS	64	PS

IC403	
1	4.73
2	PS
3	0
4	0

IC501					
1	NC		51	0/4.93	DIMMER ON/OFF
2	NC		52	NC	
3	NC		53	NC	
4	5		54	0	
5	0/4.91	0Bit MUTE OFF/ON	55	0/4.98	Nose Close/Open
6	PS		56	0/4.98	Nose Open/Close
7	PS		57	4.96/0	BW ON/OFF
8	PS		58	0/4.96	Others/Close Active
9	4.99		59	0/4.96	Others/Open Active
10	CLK		60	0/4.96	Others/Door Open
11	CLK		61	NC	
12	0		62	NC	
13	NC		63	NC	
14	NC		64	PS	
15	4.99		65	CLK	
16	4.98		66	5	
17	4.96		67	PS	
18	NC		68	5	
19	PS		69	4.98	
20	PS		70	0	
21	4.93		71	4.98	
22	NC		72	0	
23	5		73	4.98	
24	5		74	NC	
25	0		75	NC	
26	2.46		76	NC	
27	0		77	NC	
28	PS		78	NC	
29	4.79		79	PS	
30	0		80	PS	
31	0		81	5	
32	0		82	5	
33	0		83	4.98	
34	NC		84	4.98	
35	5		85	4.93	
36	5		86	0	
37	PS		87	PS	
38	PS		88	0/5	Buzzer ON/OFF
39	CLK		89	NC	
40	PS		90	4.96	
41	PS		91	PS	
42	PS		92	NC	
43	PS		93	NC	
44	PS		94	0	
45	PS		95	NC	
46	PS		96	NC	
47	PS		97	NC	
48	PS		98	NC	
49	NC		99	NC	
50	NC		100	0	

IC502									
1	5	21	NC	41	NC	61	0	81	NC
2	NC	22	NC	42	NC	62	0	82	0
3	0	23	0	43	NC	63	PS	83	NC
4	0	24	NC	44	NC	64	0	84	0
5	0	25	NC	45	4.98	65	NC	85	4.95
6	2.01	26	NC	46	4.97	66	NC	86	0
7	CLK	27	NC	47	NC	67	0	87	0
8	0	28	NC	48	NC	68	0	88	0
9	5	29	NC	49	NC	69	0	89	0
10	NC	30	NC	50	5	70	NC	90	0
11	NC	31	NC	51	NC	71	0	91	0
12	NC	32	NC	52	NC	72	0	92	0
13	NC	33	NC	53	PS	73	CLK	93	5
14	NC	34	0	54	PS	74	PS	94	5
15	NC	35	0	55	PS	75	0	95	NC
16	NC	36	0	56	PS	76	0	96	NC
17	NC	37	0	57	PS	77	NC	97	4.95
18	NC	38	0	58	0	78	0	98	NC
19	NC	39	NC	59	0	79	4.66	99	4.87
20	NC	40	NC	60	0	80	4.99	100	NC

IC503	
1	0
2	0
3	0
4	0
5	5
6	5
7	0
8	5

IC801			
1	0	11	0
2	0	12	0
3	0	13	0
4	0	14	NC
5	0	15	4.99
6	2.65	16	5
7	0	17	14.3
8	0	18	0
9	0	19	0
10	0	20	0

IC804	
1	0
2	2.9
3	2
4	0
5	2.5
6	2.1
7	4.94
8	4.94

IC810					
1	NC		14	NC	
2	0		15	0/4.25	Others/Close Active
3	NC		16	NC	
4	0/3.90	Others/MOTOR Active	17	NC	
5	NC		18	NC	
6	0/3.90	Others/Nose Open Active	19	0	
7	0		20	0	
8	0/3.97	Others/Nose Close Active	21	0	
9	NC		22	NC	
10	11.95		23	NC	
11	11.95		24	0/4.2	Others/Open Active
12	NC		25	NC	
13	0				

	1	2	3	4	5	MODE
Q009	NC	2	4.9	0	0	
Q010	NC	0	0	8.36/0	5/0	POWER ON/OFF
Q105	NC	14	14.1	3.95	0	SOURCE CD/TUNER
Q106	NC	14.2	14.27	4.0	0	SOURCE CD/TUNER
Q201	0/8.7	8.7/0	0/4.47	0	4.47/0	SUB.W ON, LPF・OFF/ON
Q803	NC	4.97	5	8.36	0	
Q804	NC	4.94	5	4.96	0	
Q805	NC	14.2/0	14.27/14.4	4.4/0	0	
Q808	NC	14.2	14.27	4.5	0	
Q814	NC	8.28/1.8	8.35	2.53/0	0	FM/AM
Q825	NC	14.23	0	0	14.28	MUTE OFF/ON
Q828	NC	5	5	4.11	0	

	1	2	3	4	5	6	MODE
Q321	0	0	0	0/6.8	0	0/6.8	MUTE OFF/ON
Q322	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON
Q323	0	0	0	0/6.5	0	0/6.6	MUTE OFF/ON

	E	C	B	MODE
Q002	0	8.3	0	
Q003	0	0	PS	
Q005	0	0.1	0/2.0	SEEK
Q101	8.82	8.87	8.06/0.7	SOURCE CD/TUNER
Q102	0	0/8.6	3.9/0	CD ON/OFF
Q104	14.23	7.15/0.1	14.2	SOURCE CD/TUNER
Q107	5.14	14.26	5.71	
Q108	5.14	14.26	5.71	
Q202	0	3.6	0	
Q203	0	PS	2.7/0	SEEK
Q254	0	8.31	0/4.7	SEEK OFF/ON
Q401	0	0	0.7	
Q402	0/0	7.4/0	0/0.7	Others/AMBER
Q403	0/0	0.1/0	0.7	Others/Lighting OFF
Q404	0/0	0/2	4.5/0	Others/Lighting OFF
Q405	0/0	0/0	4.5/0	Others/POWER OFF
Q407	8.2	10.6	8.6	
Q501	4.9	PS	PS	
Q502	0	PS	PS	
Q601	4.94	0/5	4.93	IN-INT
Q602	0	4.93	0/10.1	DIMMER OFF/ON
Q603	0	14.27/PS	PS	BUZZER OFF/ON
Q604	0	PS	PS	
Q605	0	PS	PS	
Q606	0	PS	PS	
Q607	4.9	0	4.85	
Q645	0	9.17/0	0/4.96	UNIZON Close/Open
Q801	14.19	14.24/0	14.24	POWER ON/OFF
Q802	0	0/14	4.13/0	POWER ON/OFF

	E	C	B	MODE
Q806	12.25/0	14.3	12.9/0	POWER ON/OFF
Q807	11.9	14.27	12.4	
Q809	8.8/0	14.2/14.4	9.4/0	POWER ON/OFF
Q810	5.68/0	8.93/0	6.3/0	POWER ON/OFF
Q812	8.36	8.29/0	0/8.36	FM/AM
Q813	8.36	0/8.36	8.28/7.6	FM/AM
Q816	13.67/14.28	13.7/0	13/14.25	P.ANT Open/Short GND
Q817	14.25/14.25	0	14.23/0.6	P.ANT Open/Short GND
Q819	0	0/14.26	5.33/0.6	P.ANT Open/Short GND
Q820	0	14.2/0	0/9.72	P.ANT Open/Short GND
Q821	4.94	PS	4.94	Connect CD CHG
Q822	0	PS	0	Connect CD CHG
Q823	5	PS	5	Connect CD CHG
Q824	0	0	4.3	
Q826	0	5.29/0	0/3.8	MUTE OFF/ON
Q840	11.9	14.27	12.4	
Q870	8.36/0	13.79/0	8.96/0	POWER ON/OFF
Q871	5.66/0	8.96/0	6.3/0	POWER ON/OFF
Q872	12.25/0	14.3	12.9/0	POWER ON/OFF

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : FM : 98.1MHz
  MW : 999KHz
  CD : at playing Disc

(CD Deck Mechanism)

IC101									
1	0.04V	21	0.02V	41	NC	61	NC	81	0.05V
2	0.2V	22	NC	42	2.83V	62	NC	82	0.05V
3	0.05V	23	2.6V	43	NC	63	0.05V	83	0.05V
4	0.04V	24	1.25V	44	NC	64	0.04V	84	4.93V
5	4.98V	25	1.77V	45	NC	65	0.04V	85	NC
6	NC	26	NC	46	NC	66	5.05V	86	NC
7	NC	27	0.04V	47	0.04V	67	5.05V	87	NC
8	0.04V	28	2.06V	48	NC	68	OSC	88	5.05V
9	5.03V	29	2.5V	49	NC	69	OSC	89	5.03V
10	—	30	2.5V	50	NC	70	0.04V	90	5V
11	—	31	NC	51	0.04V	71	OSC	91	0.02V
12	2.5V	32	2.5V	52	0.04V	72	OSC	92	5.03V
13	NC	33	2.5V	53	0.04V	73	5.05V	93	5.03V
14	NC	34	2.5V	54	0.04V	74	5.01V	94	4.96V
15	2.5V	35	2.5V	55	5.05V	75	0.03V	95	*
16	NC	36	2.5V	56	2.5V	76	0.03V	96	4.96V
17	NC	37	2.2V	57	2.5V	77	0.03V	97	2.51V
18	NC	38	5.03V	58	2.5V	78	5.02V	98	5.02V
19	0.02V	39	0.04V	59	NC	79	0.05V	99	2.51V
20	2.5V	40	0.04V	60	0.04V	80	NC	100	0.03V

NOTE : * : Changing Voltage by Temperature

IC102							
1	2.51V	10	1.73V	19	NC	28	2.38V
2	NC	11	3.01V	20	2.51V	29	—
3	4.95V	12	2.5V	21	4.96V	30	—
4	0.04V	13	3.1V	22	2.48V	31	2.53V
5	2.47V	14	0.05V	23	2.48V	32	2.53V
6	2.84V	15	3.04V	24	2.49V	33	2.53V
7	2.02V	16	0.2V	25	NC	34	2.53V
8	2.83V	17	0.05V	26	2.49V	35	2.53V
9	1.41V	18	0.04V	27	2.49V	36	2.69V

IC103							
1	0.07V	8	6.93V	15	3.14V	22	2.51V
2	2.5V	9	0.06V	16	3.37V	23	2.51V
3	2.5V	10	0.06V	17	3.21V	24	2.49V
4	2.5V	11	2.93V	18	3.24V	25	2.46V
5	2.5V	12	3.62V	19	0.04V	26	2.5V
6	2.5V	13	6.27V	20	2.52V	27	2.5V
7	2.5V	14	3.29V	21	4.96V	28	0.07V

IC104			
1	5.04V	8	0.04V
2	5V	9	2.53V
3	5.03V	10	0.05V
4	0.05V	11	0.04V
5	0.05V	12	0.05V
6	0.04V	13	2.5V
7	0.04V	14	5.04V

IC201	
1	5.03V
2	0.02V
3	8.01V

IC203	
1	2.53V
2	2.5V
3	2.5V
4	0.02V
5	2.5V
6	2.5V
7	2.5V
8	5.02V

	E	C	B
Q101	4.36V	2.55V	3.69V
Q106	0.08V	0.12V	5.05V
Q107	0.12V	5.06V	4.99V

	1	2	3	4	5
Q102	0.09V	2.54V	6.09V	0.08V	5.01V
Q103	0.08V	2.51V	0.08V	0.08V	4.96V
Q105	5.03V	2.51V	5.03V	0.08V	0.07V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : at playing Disc

Description of IC Terminal

D784218GC : IC501

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2			
3			
4	CD-STBY	O	Stand-by signal output terminal to CD Mechanism μ-COM.
5	O MUTE-DET	I	O MUTE signal input terminal from CD Mechanism.
6	CD-LSI RST	O	Reset signal output terminal to CD Mechanism μ-COM.
7	CD-CS	O	Chip select signal output terminal to CD Mechanism μ-COM.
8	CD-SRQ	I	Communication REQ signal input terminal from CD Mechanism μ-COM.
9	VDD	-	VDD connect terminal.
10	X2	-	Main system Clock OSC circuit connect terminal.
11	X1		
12	VSS	-	GND connect terminal.
13	NC	-	No connect terminal.
14			
15	$\overline{\text{RESET}}$	-	System reset signal terminal.
16	BAT-DET	I	BATT detection signal input terminal.
17	ACC-DET	I	ACC detection signal input terminal.
18	NC	-	No connect terminal.
19	BUS-IN	I	Ai-NET BUS-DATA signal input terminal.
20	BUS-OUT	O	Ai-NET BUS-DATA signal output terminal.
21	IN-SW	I	DISC loading detection switch signal input terminal.
22	NC	-	No connect terminal.
23	AVDD	-	Analog power supply terminal of A/D converter.
24	AVref0	-	Standard voltage input terminal of A/D converter.
25	GND	-	GND connect terminal.
26	NOSE-ON	I	NOSE installation detection signal input terminal.
27	FM/AM SM	I	FM/AM signal meter signal input terminal.
28	AUDIO LEVEL	I	Audio level data signal input terminal.
29	T-SENS	I	Power AMP temperature detection signal input terminal.
30	GND	-	GND connect terminal.
31			
32	AREA	I	Area setting signal input terminal.
33	AVSS	-	GND electric potential terminal of A/D converter.
34	NC	-	No connect terminal.
35	DTS CE	O	Chip enable signal output terminal to DTS μ-COM.
36	AVref1	-	Standard voltage input terminal of A/D converter.
37	DTS STS	I	System status signal input terminal from DTS μ-COM.
38	DTS CMD	O	Serial data signal output terminal to DTS μ-COM.
39	DTS CLK	O	Serial clock signal output terminal to DTS μ-COM.
40	CD-STS	I	Status signal input terminal from CD Mechanism μ-COM.
41	CD-CMD	O	Command signal output terminal to CD Mechanism μ-COM.
42	CD-SCK	O	Clock signal output terminal to CD Mechanism μ-COM.
43	DTS MUTE	I	Mute signal input terminal from DTS μ-COM.
44	LCD-RST	O	Reset signal output terminal to LCD Driver.
45	LCD-DO	I	Serial data signal input terminal from LCD Driver.
46	LCD-DI	O	Serial data signal output terminal to LCD Driver.

No.	Symbol	I/O	Terminal Description
47	LCD-CLK	O	Serial clock signal output terminal to LCD Driver.
48	LCD-CE1	O	Chip enable signal output terminal to LCD Driver.
49	LCD-CE2(NC)	-	No connect terminal.
50	LO/$\overline{DX}$(NC)		
51	$\overline{IN\ DIMMER}$	I	Dimmer control signal input terminal.
52	NC	-	No connect terminal.
53			
54	IN-INT	I	In-Interrupt input terminal.
55	$\overline{LIMIT\ SW2}$	I	Movement Nose condition position detetcion signal input terminal.
56	$\overline{LIMIT\ SW1}$		
57	BW	O	Switching control signal output terminal of FM Band Width.
58	MOTOR REV	O	Motor control signal output terminal for Movement Nose open/close.
59	MOTOR FOR		
60	DOOR LED	O	LED signal output terminal for Door LED.
61	NC	-	No connect terminal.
≀			
63			
64	EV-DATA	O	Serial data signal output terminal of Electrical Volume.
65	EV-CLK	O	Serial clock signal output terminal of Electrical Volume.
66	BBE-1	O	Control output terminal for BBE. (BBE)
67	BBE-2	O	Control output terminal for BBE. (PROCESS)
68	BBE-3	O	Control output terminal for BBE. (LO CONT)
69	LPF1	O	Control signal output terminal for Low Pass Filter.
70	LPF2		
71	$\overline{MUTE}$	O	Audio Mute signal output terminal.
72	VSS	-	GND connect terminal.
73	MOTOR-CONT	O	Power supply control signal output terminal of Unizon Motor.
74	NC	-	No connect terminal.
≀			
78			
79	ENCODER1	I	Encoder signal input terminal.
80	ENCODER2		
81	VDD	-	VDD connect terminal.
82	POWER IC-ON	O	Stand-by control signal output terminal for Power IC.
83	NOSE-PWR	O	Power supply control signal output terminal of LCD Driver.
84	BL-LED ON	O	LED control signal output terminal for LCD backlight.
85	PWR-CONT	O	Power supply control signal output terminal of Audio and Key lighting.
86	60W-CONT	O	Control signal output terminal of 60W AMP.
87	DIMMER-CONT	O	Control signal (PWM) output terminal for Dimmer.
88	BUZZER	O	Guide tone Buzzer signal output terminal.
89	L-CONT(NC)	-	No connect terminal.
90	V-CONT	O	CD power supply control signal output terminal.
91	REMOCON	I	Remote control data input terminal.
92	NC	-	No connect terminal.
93			
94	Vpp	-	GND connect terminal.
95	DOOR SW(NC)	-	No connect terminal.

No.	Symbol	I/O	Terminal Description
96	NC	-	No connect terminal.
~			
99			
100	$\overline{\text{Auto Adj.}}$ (NC)		

MB89689PF : IC502

No.	Symbol	I/O	Terminal Description
1	VCC	-	+5V connect terminal.
2	NC	-	No connect terminal.
3	XOA(GND)	-	GND connect terminal.
4	MOD0(GND)		
5	MOD1(GND)		
6	X0	0	Crystal connect terminal. (8MHz)
7	X1	I	
8	VSS	-	GND connect terminal.
9	$\overline{\text{RESET}}$	I	Reset input terminal. (L : RESET)
10	NC	-	No connect terminal.
~			
22			
23	$\overline{\text{AM ST}}$(PULL-DOWN)	-	Pull-down connect terminal.
24	NC	-	No connect terminal.
~			
28			
29	AM $\overline{\text{ST}}$/MO(NC)	-	
30	$\overline{\text{FM DIVER}}$(NC)	-	
31	NC	-	
~			
33			
34	$\overline{\text{T-MUTE}}$	0	Tuner mute output terminal. (L : MUTE ON)
35	NC(GND)	-	GND connect terminal.
~			
38			
39	NC	-	No connect terminal.
~			
44			
45	RxD(PULL-UP)	I	RDS monitor input terminal. (pull-up connect)
46	TxD	0	RDS monitor output terminal.
47	NC	-	No connect terminal.
~			
49			
50	VCC	-	VCC connect terminal.
51	NC	-	No connect terminal.
52			
53	TUNER CLK	I	Clock input terminal from main μ-COM.
54	TUNER SI	I	Serial input terminal from main μ-COM.
55	TUNER SO	0	Serial output terminal to main μ-COM.
56	RDS SDA	I/O	RDS I2C data input/output terminal.
57	RDS CLK	0	RDS I2C CLK output terminal.

No.	Symbol	I/O	Terminal Description
58	NC(GND)	-	GND connect terminal.
59	VSS		
60	NC(GND)		
≀			
62			
63	I2C DATA	I/O	I2C-BUS IC data input/output terminal.
64	I2C CLK	O	I2C-BUS CLK output terminal.
65	Devider(NC)	-	No connect terminal.
66	Narrow(NC)		
67	$\overline{\text{SEEK Req.}}$	O	Seek speed control (Tuner) terminal. (L : SEEK)
68	NC(GND)	-	GND connect terminal.
69	$\overline{\text{AF HOLD}}$	O	AF HOLD output terminal. (L : tuner setting HOLD)
70	AF HOLD(NC)	-	No connect terminal.
71	IF MUTE	O	IF mute control terminal. (H : MUTE ON)
72	FM/$\overline{\text{AM}}$	O	FM/AM switching terminal. (H : FM)
73	PLL CLK	O	PLL clock output terminal.
74	PLL DATA	I/O	PLL CE output terminal.
75	PLL CE	O	PLL CE output terminal.
76	SEEK Req.	O	Seek speed control (Tuner) terminal. (H : SEEK)
77	RDS RESET(NC)	-	No connect terminal.
78	SD	I	SD (Tuner) input terminal. (H : station ON)
79	$\overline{\text{PSWN}}$	I	Audio signal level detect terminal from RDS Decoder. (L : no station)
80	$\overline{\text{Auto Adj.}}$	I	Auto adjustment terminal. (L : auto adjustment start)
81	TUNER ON(NC)	-	No connect terminal.
82	LO/$\overline{\text{DX}}$	O	Local/DX seek (Tuner) switching terminal. (H : local SEEK)
83	NC	-	No connect terminal.
84	AVSS	-	GND connect terminal.
85	S/M	I	Field strength (A/D, Tuner) input terminal.
86	M/P	I	Multipath rejection (A/D) input terminal.
87	NC(GND)	-	GND connect terminal.
≀			
92			
93	AVCC	-	VCC connect terminal.
94	AVR		
95	NC	-	No connect terminal.
96	RESET(NC)		
97	SUB STBY	I	Stand-by input terminal from main μ-COM.
98	NC	-	No connect terminal.
99	DAVN	I	RDS data available input terminal.
100	NC	-	No connect terminal.

MN662771AB1 : IC101 (DP23S07A)

No.	Symbol	I/O	Terminal Description
1	BDO	I	Drop-Out signal input terminal. H:Drop-Out
2	OFT	I	Off Track signal input terminal. H:Off Track
3	/RFDET	I	RF detect signal input terminal. L:detection
4	VDET	I	Vibration detect signal input terminal. H:detection

No.	Symbol	I/O	Terminal Description
5	LDON	O	Laser ON signal output terminal. H:ON
6 7	NC	–	No connect terminal.
8	AVSS3	–	GND connect terminal for analog circuit.
9	AVDD3	–	Power supply terminal for analog circuit.
10	FBAL	O	Focus Balance adjustment output terminal.
11	TBAL	O	Tracking Balance adjustment output terminal.
12	FE	I	Focus Error signal input terminal. (Analog input)
13 14	NC	–	No connect terminal.
15	TE	I	Tracking Error signal input terminal. (Analog input)
16 ~ 18	NC	–	No connect terminal.
19	RFENV	I	RF Envelope signal input terminal. (Analog input)
20	VREF	I	VREF input terminal.
21	ARF	I	RF signal input terminal. (for DSL)
22	DRF	I	Bias terminal for DSL.
23	DSLF	I/O	Roop Filter terminal for DSL.
24	IREF	I	Reference current input terminal.
25	PLLF	I/O	Roop Filter terminal for PLL.
26	PLLF2	I/O	Characteristic Roop Filter switching terminal for PLL.
27	VCOF	I/O	Roop Filter terminal for VCO.
28	VCOF2	I/O	Digital Servo Processor (33.8688MHz)/Roop Filter terminal for VCO.
29	TRV	O	Traverse compulsion sending output terminal.
30	TVD	O	Traverse drive output terminal.
31	PC	O	Spindle Motor ON output terminal.
32	ECM	O	Spindle Motor driving signal terminal.(compulsion mode output) 3-State
33	ECS	O	Spindle Motor driving signal terminal.(Servo Error signal output)
34	KICK	O	Kick Pulse output terminal. 3-State
35	TRD	O	Tracking Drive output terminal.
36	FOD	O	Focus Drive output terminal.
37	TOFS	O	Tracking Offset adjustment output terminal.
38	AVDD2	–	Power supply terminal for analog circuit(DSL,PLL,AD and DA block).
39	AVSS2	–	GND connect terminal for analog circuit(DSL,PLL,AD and DA block).
40	DVSS2	–	GND connect terminal for digital circuit.
41	EFM/CK384(NC)	–	No connect terminal.
42	PCK/DSLB	O	PLL Sampling Clock output terminal.(fPCK=4.3218MHz) at default:PLL Sampling Clock output/ at fulfillment command:DSL Balance output
43	/CLDCK	O	Sub Code Frame Clock signal output terminal. (fCLDCK=7.35KHz)
44	FCLK	O	Crystal Frame Clock signal output terminal. (fFCLK=7.35KHz)
45	IPFLAG	O	Interpolation Flag signal output terminal. H:Interpolation
46	FLAG	O	Flag signal output terminal.
47	TRCRS	I	Track Cross signal input terminal.
48	STOUT	O	Serial Data output terminal for monitor signal. (SENCE,NFLOCK,NTLOCK…etc.)
49	STLD	O	Load signal output terminal for monitor signal.
50	SMCK	O	Bit Clock signal output terminal for monitor signal. (fSMCK=4.2336MHz)
51	CSEL(GND)	–	GND connect terminal.
52 53	TEST1(GND) TEST2(GND)	–	GND connect terminal.

No.	Symbol	I/O	Terminal Description
54	IOSEL(GND)	–	GND connect terminal.
55	/RST	I	Reset input terminal from CD Signal Processor LSI block. (L:Reset)
56	BCLK	O	Bit Clock output terminal for SRDATA.
57	LRCK	O	L/R discrimination signal output terminal.
58	SRDATA	O	Serial Data output terminal.
59	SUBC(NC)	–	No connect terminal.
60	SBCK(GND)	–	GND connect terminal.
61	DQSY(NC)	–	No connect terminal.
62	DEMPH(NC)		
63	TX	O	Digital Audio interface signal output terminal.
64	PSEL(GND)	–	GND connect terminal.
65	MSEL(GND)		
66	SSEL(BATT+5V)	–	BATT+5V connect terminal.
67	DVDD1	–	Power supply terminal for digital circuit.
68	X1	I	Main Clock input terminal. (f=16.9344MHz)
69	X2	O	Main Clock output terminal. (f=16.9344MHz)
70	DVSS1	–	GND connect terminal for digital circuit.
71	OSC1	I	Clock input terminal for μ-COM. (4.19MHz)
72	OSC2	O	Clock output terminal for μ-COM.
73	DVDD2	–	Power supply terminal for digital circuit.
74	SW-A	I	Mecha control SW input terminal. (L:SW ON)
75	SW-B		
76	SW-C		
77	SW-D		
78	LMTSW	I	Pick-Up inner detect SW input terminal. (L:detector)
79	D/OCNT	O	Digital Audio Data control output terminal. (H:D/O ON)
80	RF-GAIN(NC)	–	No connect terminal.
81	LODM+	O	Loading Motor control terminal.
82	LODM-		
83	ZMUTE	O	0 Data signal output terminal.
84	DR-MUTE	O	Servo Driver MUTE signal output terminal. (L:DR MUTE ON)
85	DATA	O	DATA output terminal for Error monitor.
86	LATCH	O	LATCH output terminal for Error monitor.
87	CLOCK	O	CLOCK output terminal for Error monitor.
88	/SRQ	O	Status Request signal output terminal.
89	RST	I	μ-COM block reset terminal.
90	STBY	I	STBY signal input terminal.
91	/CS	I	Communication start/stop signal terminal.
92	CMD	I	Command input terminal.
93	STS	O	Status output terminal.
94	SCK	I	Clock input terminal for communication.
95	TEMP	I	A/D input terminal for temperature detect.
96	VREF+	–	Power supply terminal for A/D converter.
97	OUTR	O	Rch Audio output terminal.
98	AVDD1	–	Power supply terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))
99	OUTL	O	Lch Audio output terminal.
100	AVSS1	–	GND connect terminal for analog circuit. (for Audio output block (for using both as Lch and Rch))

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Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal OxideFilm	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC001	51T15731W10	TC7S66F-TE85L -CP
IC002	51T93332F01	IC,NJM2903M-TE3 -SE2
IC005	51T15132Y02	SAA6588T -SE9
IC102	51T15510W01	IC ,MC34063AML -SPD
IC201	51T15456Y01	TC74HC4066AFT-EL-SE5
IC202	51T35457Y01	TDA7402 -QT
IC203	51T15468Y02	NJM2150AV-TE1 -SE2
IC204	51T93333F01	NJM2904M-TE3 -SE2
IC205	51T15605Y01	NJM2130F-TE1 -CP
IC254	51T15731W10	TC7S66F-TE85L -CP
IC270	51T45330Y01	NJM2160AM-TE2 -SE6
IC301	51T35403Y01	TDA7560 -ZS
IC302	51T15426Y02	STK475-010 -IB
IC501	51T45295Y01	IC,D784218GC-060 -QT
IC502	51T15161Y03	IC,MB89689PF-G150-QT
IC503	51T25160Y01	M24C04-WMN6T -SE2
IC801	51T95193W01	TDA3606AT -SE9
IC804	51T93332F01	IC,NJM2903M-TE3 -SE2
IC810	51T25448Y01	BA6219BFP-Y-E2 -SE9
Transistors		
Q002	48T64222F05	TR ,UN2215 10 -TX
Q003	48T64222F01	TR ,UN2211 10-10 -TX
Q005	48T64222F02	TR ,UN2212 22-22 -TX
Q009	48T45594W16	TR,XN1A311-TX -CP
Q010	48T45594W16	TR,XN1A311-TX -CP
Q101	48T52437F05	TR ,2SB709A-S /TX-CP
Q102	48T45251W03	TR ,UN5212 22-22 -CP
Q104	48T15511W02	CP.2SB1261-TE2 -E5
Q105	48T45594W12	TR ,XN1A312 -TX-CP
Q106	48T45594W12	TR ,XN1A312 -TX-CP
Q107	48T69176F02	TR ,2SC3421-Y
Q108	48T69176F02	TR ,2SC3421-Y

Symbol No.	Part No.	Description
Q201	48T45594W08	TR ,XN1212 -TX-CP
Q202	48T64222F02	TR ,UN2212 22-22 -TX
Q203	48T45251W03	TR ,UN5212 22-22 -CP
Q254	48T45251W03	TR ,UN5212 22-22 -CP
Q321	48T25317Y01	TR,XN0F256-TX -CP
Q322	48T25317Y01	TR,XN0F256-TX -CP
Q323	48T25317Y01	TR,XN0F256-TX -CP
Q501	48T64221F11	TR,UN211L-TX -CP
Q502	48T64222F02	TR ,UN2212 22-22 -TX
Q601	48T64221F11	TR,UN211L-TX -CP
Q602	48T64222F02	TR ,UN2212 22-22 -TX
Q603	48T64222F02	TR ,UN2212 22-22 -TX
Q604	48T64222F01	TR ,UN2211 10-10 -TX
Q605	48T64222F01	TR ,UN2211 10-10 -TX
Q606	48T64222F01	TR ,UN2211 10-10 -TX
Q607	48T52437F05	TR ,2SB709A-S /TX-CP
Q645	48T64222F01	TR ,UN2211 10-10 -TX
Q801	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q802	48T64222F11	TR,UN221F-TX -CP
Q803	48T45594W12	TR ,XN1A312 -TX-CP
Q804	48T45594W16	TR,XN1A311-TX -CP
Q805	48T45594W12	TR ,XN1A312 -TX-CP
Q806	48T93828F04	TR,2SD1994A-S-TA -RD
Q807	48T93828F04	TR,2SD1994A-S-TA -RD
Q808	48T45594W12	TR ,XN1A312 -TX-CP
Q809	48T69176F02	TR ,2SC3421-Y
Q810	48T52438F04	TR ,2SD601A-S /TX-CP
Q812	48T64221F13	TR,UN211H-TX -CP
Q813	48T63419F04	TR,CP.2SA1036K-HR-96
Q814	48T45594W16	TR,XN1A311-TX -CP
Q816	48T84366F03	TR,2SB1243-Q-TV2 -RD
Q817	48T64221F13	TR,UN211H-TX -CP
Q819	48T64222F12	TR,UN221L-TX -CP
Q820	48T64222F02	TR ,UN2212 22-22 -TX
Q821	48T52437F05	TR ,2SB709A-S /TX-CP
Q822	48T52438F04	TR ,2SD601A-S /TX-CP
Q823	48T64221F02	TR ,UN2112 22-22 -TX
Q824	48T64222F02	TR ,UN2212 22-22 -TX
Q825	48T45594W12	TR ,XN1A312 -TX-CP
Q826	48T64222F01	TR ,UN2211 10-10 -TX
Q828	48T45594W12	TR ,XN1A312 -TX-CP
Q840	48T93828F04	TR,2SD1994A-S-TA -RD
Q870	48T92368F04	TR,2SD1760 R -E5
Q871	48T52438F04	TR ,2SD601A-S /TX-CP
Q872	48T93828F04	TR,2SD1994A-S-TA -RD

Symbol No.	Part No.	Description
Diodes		
D001	48T15437Y01	DIO, HSM123-TL -CP
D002	48T45254W03	DIO, SI-MA142WK -CP
D003	48T25665Y01	DIO, 1SS355-TE17 -CP
D101	48T95572W01	DIO, SHT MA736-TX -E1
D102	48T45254W02	DIO, SI MA142WA-TX-CP
D106	48T25665Y01	DIO, 1SS355-TE17 -CP
D199	48T95572W01	DIO, SHT MA736-TX -E1
D201	48T81063F01	DIO, CP. MA159 / TX-CP
D210	48T25665Y01	DIO, 1SS355-TE17 -CP
D301	48T95572W01	DIO, SHT MA736-TX -E1
D302	48T95572W01	DIO, SHT MA736-TX -E1
D303	48T95572W01	DIO, SHT MA736-TX -E1
D304	48T95572W01	DIO, SHT MA736-TX -E1
D305	48T95572W01	DIO, SHT MA736-TX -E1
D306	48T95572W01	DIO, SHT MA736-TX -E1
D307	48T95572W01	DIO, SHT MA736-TX -E1
D308	48T95572W01	DIO, SHT MA736-TX -E1
D321	48T45254W02	DIO, SI MA142WA-TX-CP
D351	48T45254W02	DIO, SI MA142WA-TX-CP
D352	48T45254W02	DIO, SI MA142WA-TX-CP
D501	48T25665Y01	DIO, 1SS355-TE17 -CP
D502	48T25665Y01	DIO, 1SS355-TE17 -CP
D601	48T25651W02	DIO, MA152WK-TX -CP
D602	48T25651W02	DIO, MA152WK-TX -CP
D603	48T25665Y01	DIO, 1SS355-TE17 -CP
D801	48T85268W01	DIO, P300G -
D802	48T25665Y01	DIO, 1SS355-TE17 -CP
D803	48T25593Y01	DIO, S1G-6601 -E1
D804	48T94335F02	DIO, MA153A-TX -CP
D805	48T25665Y01	DIO, 1SS355-TE17 -CP
D806	48T44813F03	DIO, MA165 -R5
D807	48T25651W01	DIO, CP MA152WA
D808	48T25651W02	DIO, MA152WK-TX -CP
D810	48T25593Y01	DIO, S1G-6601 -E1
D811	48T81063F01	DIO, CP. MA159 / TX-CP
D814	48T25665Y01	DIO, 1SS355-TE17 -CP
D815	48T25665Y01	DIO, 1SS355-TE17 -CP
D824	48T25665Y01	DIO, 1SS355-TE17 -CP
ZD171	48T25766W04	DIO, ZEN. HZS 6B1L -R5
ZD801	48T25766W15	DIO, ZEN. HZS 7B3L -R5
ZD802	48T25766W38	DIO, ZEN. HZS12A3L -R5
ZD803	48T25766W24	DIO, ZEN. HZS 9C1L -R5
ZD804	48T25766W02	DIO, ZEN. HZS 6A2L -R5
ZD805	48T25766W36	DIO, ZEN. HZS12A1L -R5
ZD806	48T25801W08	DIO, ZEN. HZS 4BLL -R5
ZD874	48T25766W03	DIO, ZEN. HZS 6A3L -R5

Symbol No.	Part No.	Description
Coils		
L001	24T65172W17	IND, LEM4532 4R7K -E2
L002	24T16403W29	COI, IND. 15R-M -CP
L010	24T16403W15	COI, IND. 1R0-M K -CP
L011	24T16403W15	COI, IND. 1R0-M K -CP
L012	24T16403W07	COI, IND. R22-M K -CP
L013	24T16403W15	COI, IND. 1R0-M K -CP
L101	24T15313Y17	IND, CDRH104 221M -E6
L102	24T16271W13	COIL, RCR875D-221K
L501	24T16403W15	COI, IND. 1R0-M K -CP
L806	24T16403W23	COI, IND. 4R7-M -CP
VT001	24T15267Y01	COIL, 7TL -DB
Crystals		
XL001	91T85169W18	XTL, HC-49 4.332M -R5
XL501	91T95084W02	XTL, CS20 12.288M -E9
XL503	91T85169W44	XTL, HC-49 7.3728M-R5
LED's		
LD601	48T65477W05	LED, SML-010DTT87 -CP(ORG)
LD602	48T65477W05	LED, SML-010DTT87 -CP(ORG)
Buzzer		
BZ601	50T85541W01	BUZZER, CD11PA-XZ -H5
Filter		
CF001	91T75257W02	LPF, LPF11830KH-3C-DB
Surge Protector		
SA001	48T81048F02	PTT, DSP-201M -RD
Switch		
SW332	40T45282W02	SW, SLIDE SLD-42-508X (Ai-NET・NORM/(EQ/DIV))

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Symbol No.	Part No.	Description
Thermistor		
TH501	48T25250Y01	TMT, ERTJ1VV104J -CP
Capacitors		
C001	08T15399W01	CAP, CER. 223K-B1H -CP
C002	08T15399W01	CAP, CER. 223K-B1H -CP
C003	08T15399W01	CAP, CER. 223K-B1H -CP
C005	08S60102F46	CAP, CER 684K-B1E -CP
C008	08S45676W71	CAP, CER. 682K-B1H -CP
C009	08S45677W52	CAP, CER 471J-CH1H-CP
C012	08S60102F40	CAP, CER 224K-B1E -CP
C016	08S45676W65	CAP, CER. 222K-B1H -CP
C018	08S45677W48	CAP, CER. 331J-CH1H-CP
C019	08S45677W36	CAP, CER. 101J-CH1H-CP
C020	08S45676W73	CAP, CER. 103K-B1H -CP
C025	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C026	08S45677W23	CAP, CER. 30RJ-CH1H-CP
C028	08S45676W65	CAP, CER. 222K-B1H -CP
C030	08S45677W54	CAP, CER 561J-CH1H-CP
C100	08S82122F61	CAP, CER. 102J-CH1H-CP
C101	08S35374W01	CAP, CER 104K-B1E-CP
C102	08S45677W38	CAP, CER 121J-CH1H-CP
C103	08S65128F70	CAP, CER. 123K-B1H -CP
C104	08T15399W01	CAP, CER. 223K-B1H -CP
C105	08T15399W01	CAP, CER. 223K-B1H -CP
C111	08S82122F61	CAP, CER. 102J-CH1H-CP
C174	08S82122F65	CAP, CER. 152J-CH1H-CP
C201	08T15349Y01	CAP, CER 105K-B1A -CP
C204	08S65128F70	CAP, CER. 123K-B1H -CP
C206	08S35374W01	CAP, CER 104K-B1E-CP
C207	08S45677W36	CAP, CER. 101J-CH1H-CP
C209	08S82122F61	CAP, CER. 102J-CH1H-CP
C210	08S35374W01	CAP, CER 104K-B1E-CP
C211	08T15399W03	CAP, CER. 473K-B1H -CP
C212	08S35374W01	CAP, CER 104K-B1E-CP
C216	08S60102F44	CAP, CER 474K-B1E -CP
C218	08S45677W25	CAP, CER 36RJ-CH1H-CP
C220	08T15349Y01	CAP, CER 105K-B1A -CP
C231	08S45676W67	CAP, CER. 332K-B1H -CP
C232	08S45676W67	CAP, CER. 332K-B1H -CP
C233	08S45676W87	CAP, CER 333K-B1E -CP
C234	08S45676W87	CAP, CER 333K-B1E -CP
C301	08S60102F48	CAP, CER 105K-B1E -CP
C302	08S60102F48	CAP, CER 105K-B1E -CP
C303	08S60102F48	CAP, CER 105K-B1E -CP
C304	08S60102F48	CAP, CER 105K-B1E -CP

Symbol No.	Part No.	Description
C305	08S60102F48	CAP, CER 105K-B1E -CP
C306	08T15399W03	CAP, CER. 473K-B1H -CP
C308	08T15399W03	CAP, CER. 473K-B1H -CP
C311	08S45676W63	CAP, CER 152K-B1H -CP
C312	08S45676W63	CAP, CER 152K-B1H -CP
C313	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C314	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C331	08T25628Y03	CAP, TF 224M-1C -CP
C332	08T25628Y03	CAP, TF 224M-1C -CP
C333	08T25628Y03	CAP, TF 224M-1C -CP
C334	08T25628Y03	CAP, TF 224M-1C -CP
C501	08S45677W12	CAP, CER. 10RD-CH1H-CP
C502	08S45677W16	CAP, CER. 15RJ-CH1H-CP
C503	08T15399W01	CAP, CER. 223K-B1H -CP
C504	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C505	08S45677W16	CAP, CER. 15RJ-CH1H-CP
C506	08T15399W01	CAP, CER. 223K-B1H -CP
C507	08S45676W73	CAP, CER. 103K-B1H -CP
C508	08T15399W01	CAP, CER. 223K-B1H -CP
C601	08T15399W01	CAP, CER. 223K-B1H -CP
C602	08S35374W01	CAP, CER 104K-B1E-CP
C603	08S45676W65	CAP, CER. 222K-B1H -CP
C604	08S45677W36	CAP, CER. 101J-CH1H-CP
C605	08T15399W01	CAP, CER. 223K-B1H -CP
C607	08T15399W01	CAP, CER. 223K-B1H -CP
C802	08T15399W01	CAP, CER. 223K-B1H -CP
C804	08S45676W80	CAP, CER 223K-B1E -CP
C805	08T15399W01	CAP, CER. 223K-B1H -CP
C806	08S35374W01	CAP, CER 104K-B1E-CP
C808	08S45677W36	CAP, CER. 101J-CH1H-CP
C809	08S45677W22	CAP, CER. 27RJ-CH1H-CP
C811	08S60102F44	CAP, CER 474K-B1E -CP
C812	08S60102F44	CAP, CER 474K-B1E -CP
C813	08S65128F71	CAP, CER. 153K-B1H -CP
C830	08T15399W01	CAP, CER. 223K-B1H -CP
C831	08T55390W34	CAP, TF 274J-1H -R5
C870	08T15399W01	CAP, CER. 223K-B1H -CP
C871	08T95466W01	CAP, CER 222K-B2J -CP
C874	08T95466W01	CAP, CER 222K-B2J -CP
E001	23T55521W16	CAP, AK .22R-1C -R2
E002	23T55521W16	CAP, AK .22R-1C -R2
E003	23T55521W16	CAP, AK .22R-1C -R2
E004	23S75373W13	CAP, ELY 1R0-1H -R2
E005	23S75373W02	CAP, ELY 10R-1C -R2
E006	23S75373W13	CAP, ELY 1R0-1H -R2
E007	23T55521W16	CAP, AK .22R-1C -R2
E008	23T55521W16	CAP, AK .22R-1C -R2
E009	23S75373W02	CAP, ELY 10R-1C -R2
E010	23S75373W14	CAP, ELY 2R2-1H -R2

Symbol No.	Part No.	Description
E102	23T55378W03	CAP, KMG 471-1A -R2
E103	23S75372W05	CAP, ELY 22R-1C -R2
E104	23S75372W02	CAP, ELY 101-1A -R2
E105	23T95564W12	CAP, FC 101-1C-E -E6
E141	23S75372W15	CAP, ELY 1R0-1H -R2
E142	23S75372W15	CAP, ELY 1R0-1H -R2
E201	23S75372W15	CAP, ELY 1R0-1H -R2
E202	23S75372W15	CAP, ELY 1R0-1H -R2
E203	23S75372W15	CAP, ELY 1R0-1H -R2
E204	23S75372W15	CAP, ELY 1R0-1H -R2
E207	23S75372W05	CAP, ELY 22R-1C -R2
E208	23S75372W04	CAP, ELY 10R-1C -R2
E209	23S75372W17	CAP, ELY 3R3-1H -R2
E210	23S75372W17	CAP, ELY 3R3-1H -R2
E213	23S75372W04	CAP, ELY 10R-1C -R2
E214	23S75372W04	CAP, ELY 10R-1C -R2
E215	23S75373W14	CAP, ELY 2R2-1H -R2
E216	23S75372W04	CAP, ELY 10R-1C -R2
E217	23S75373W03	CAP, ELY 22R-1C -R2
E218	23S75373W02	CAP, ELY 10R-1C -R2
E219	23S75373W02	CAP, ELY 10R-1C -R2
E231	23S75372W04	CAP, ELY 10R-1C -R2
E232	23S75372W05	CAP, ELY 22R-1C -R2
E234	23S75372W04	CAP, ELY 10R-1C -R2
E235	23S75372W04	CAP, ELY 10R-1C -R2
E240	23S75372W05	CAP, ELY 22R-1C -R2
E305	23S75372W15	CAP, ELY 1R0-1H -R2
E306	23T95115W02	CAP, AD 1R0-1H -R2
E307	23T55378W06	CAP, KMG 47R-1V -R2
E308	23T75346W04	CAP, X-PRO 252-1D +
E309	23T25139Y03	CAP, PW 471-1E +
E310	23T25139Y03	CAP, PW 471-1E +
E313	23S75373W02	CAP, ELY 10R-1C -R2
E314	23T75346W03	CAP, X-PRO 332-1C +
E315	23T95564W41	CAP, FC 471-1C-G -EA
E316	23S75373W07	CAP, ELY 4R7-1V -R2
E317	23S75373W07	CAP, ELY 4R7-1V -R2
E318	23S75373W03	CAP, ELY 22R-1C -R2
E319	23S75373W03	CAP, ELY 22R-1C -R2
E320	23S75373W03	CAP, ELY 22R-1C -R2
E321	23S75373W14	CAP, ELY 2R2-1H -R2
E322	23S75373W14	CAP, ELY 2R2-1H -R2
E323	23S75373W06	CAP, ELY 101-1C -R2
E324	23S75373W06	CAP, ELY 101-1C -R2
E351	23S75373W14	CAP, ELY 2R2-1H -R2
E352	23S75373W14	CAP, ELY 2R2-1H -R2
E353	23S75373W14	CAP, ELY 2R2-1H -R2
E354	23S75373W14	CAP, ELY 2R2-1H -R2
E501	23S75372W03	CAP, ELY 221-1A -H2

Symbol No.	Part No.	Description
E502	23S75372W03	CAP, ELY 221-1A -H2
E503	23S75372W05	CAP, ELY 22R-1C -R2
E504	23S65134W32	CAP, ELY 22R-1C(5)-E3
E601	23T95564W08	CAP, FC 10R-1C-B -E2
E805	23S75373W06	CAP, ELY 101-1C -R2
E806	23S65134W72	CAP, ELY 3R3-1H(4)-E2
E807	23S75372W08	CAP, ELY 101-1C -H2
E808	23S75372W05	CAP, ELY 22R-1C -R2
E809	23S75373W06	CAP, ELY 101-1C -R2
E811	23S75372W04	CAP, ELY 10R-1C -R2
E812	23S75372W07	CAP, ELY 47R-1C -R2
E813	23S75372W18	CAP, ELY 101-1E -H2
E814	23S75372W02	CAP, ELY 101-1A -R2
E815	23S75372W06	CAP, ELY 33R-1C -R2
E818	23S65134W31	CAP, ELY 10R-1C(4)-E2
E821	23S75372W04	CAP, ELY 10R-1C -R2
E822	23T55521W16	CAP, AK .22R-1C -R2
E823	23S65134W62	CAP, ELY R22-1H(3)-E2
E870	23S75372W03	CAP, ELY 221-1A -H2
E871	23S75372W03	CAP, ELY 221-1A -H2

Resistors

L502	06T75432W50	RES, RK JUMPER1/10-CP
R001	06T75433W01	RES, RK 10RJ 1/4 -CP
R003	06T25277Y47	RES, RK 391J 1/16 -CP
R010	06T25277Y95	RES, RK 393J 1/16 -CP
R011	06T25277Y87	RES, RK 183J 1/16 -CP
R012	06T25279Y03	RES, RK 225J 1/16 -CP
R014	06T25277Y97	RES, RK 473J 1/16 -CP
R015	06T25277Y97	RES, RK 473J 1/16 -CP
R016	06T25277Y57	RES, RK 102J 1/16 -CP
R017	06T25277Y57	RES, RK 102J 1/16 -CP
R018	06T25279Y04	RES, RK JUMPER1/16-CP
R019	06T25277Y81	RES, RK 103J 1/16 -CP
R022	06T25277Y89	RES, RK 223J 1/16 -CP
R025	06T25277Y75	RES, RK 562J 1/16 -CP
R026	06T25277Y81	RES, RK 103J 1/16 -CP
R027	06T25277Y93	RES, RK 333J 1/16 -CP
R029	06T25277Y91	RES, RK 273J 1/16 -CP
R030	06T75434W26	RES, RK JUMPER 1/4-CP
R031	06T75434W26	RES, RK JUMPER 1/4-CP
R032	06T75432W50	RES, RK JUMPER1/10-CP
R033	06T75432W50	RES, RK JUMPER1/10-CP
R034	06T25277Y57	RES, RK 102J 1/16 -CP
R035	06T25279Y04	RES, RK JUMPER1/16-CP
R036	06T25277Y43	RES, RK 271J 1/16 -CP
R037	06T25277Y43	RES, RK 271J 1/16 -CP

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Symbol No.	Part No.	Description
R038	06T25277Y57	RES, RK 102J 1/16 -CP
R040	06T25277Y65	RES, RK 222J 1/16 -CP
R041	06T25278Y22	RES, RK 474J 1/16 -CP
R042	06T25277Y57	RES, RK 102J 1/16 -CP
R101	06T25277Y90	RES, RK 243J 1/16 -CP
R102	06T25277Y69	RES, RK 332J 1/16 -CP
R104	06T75432W50	RES, RK JUMPER1/10-CP
R111	06T75434W22	RES, RK 2R2J 1/4 -CP
R112	06T75434W22	RES, RK 2R2J 1/4 -CP
R113	06T75433W74	RES, RK 113J 1/4 -CP
R114	06T75433W51	RES, RK 122J 1/4 -CP
R115	06T25277Y97	RES, RK 473J 1/16 -CP
R116	06T75432W50	RES, RK JUMPER1/10-CP
R117	06T75432W50	RES, RK JUMPER1/10-CP
R133	06T75432W50	RES, RK JUMPER1/10-CP
R134	06T25279Y04	RES, RK JUMPER1/16-CP
R143	06T75434W26	RES, RK JUMPER 1/4-CP
R144	06T75434W26	RES, RK JUMPER 1/4-CP
R170	06T75433W25	RES, RK 101J 1/4 -CP
R171	06T75433W43	RES, RK 561J 1/4 -CP
R172	06T75433W43	RES, RK 561J 1/4 -CP
R173	06S15593Y65	RES, RK 472F 1/10 -CP
R174	06S15593Y81	RES, RK 223F 1/10 -CP
R175	06T25278Y22	RES, RK 474J 1/16 -CP
R201	06T25277Y90	RES, RK 243J 1/16 -CP
R203	06T25277Y95	RES, RK 393J 1/16 -CP
R204	06T25277Y65	RES, RK 222J 1/16 -CP
R206	06T25278Y22	RES, RK 474J 1/16 -CP
R207	06T25277Y57	RES, RK 102J 1/16 -CP
R208	06T25277Y57	RES, RK 102J 1/16 -CP
R209	06T25277Y97	RES, RK 473J 1/16 -CP
R210	06T25277Y97	RES, RK 473J 1/16 -CP
R215	06T25277Y77	RES, RK 682J 1/16 -CP
R217	06T25279Y04	RES, RK JUMPER1/16-CP
R218	06T25277Y80	RES RK 912J 1/16 -CP
R219	06T25277Y87	RES, RK 183J 1/16 -CP
R220	06T25277Y81	RES, RK 103J 1/16 -CP
R221	06T25277Y89	RES, RK 223J 1/16 -CP
R222	06T25277Y58	RES, RK 112J 1/16 -CP
R223	06T25277Y58	RES, RK 112J 1/16 -CP
R224	06T25277Y58	RES, RK 112J 1/16 -CP
R225	06T25277Y58	RES, RK 112J 1/16 -CP
R230	06T25277Y97	RES, RK 473J 1/16 -CP
R231	06T25277Y88	RES, RK 203J 1/16 -CP
R232	06T25277Y88	RES, RK 203J 1/16 -CP
R233	06T25277Y88	RES, RK 203J 1/16 -CP
R234	06T25277Y88	RES, RK 203J 1/16 -CP
R235	06T25277Y81	RES, RK 103J 1/16 -CP
R236	06T25277Y81	RES, RK 103J 1/16 -CP

Symbol No.	Part No.	Description
R237	06T25277Y81	RES, RK 103J 1/16 -CP
R256	06T25277Y89	RES, RK 223J 1/16 -CP
R301	06T25277Y81	RES, RK 103J 1/16 -CP
R302	06T75433W90	RES, RK 513J 1/4 -CP
R304	06T75434W19	RES, RK 754J 1/4 -CP
R311	06S15593Y82	RES, RK 243F 1/10 -CP
R312	06S15593Y82	RES, RK 243F 1/10 -CP
R313	06S15593Y86	RES, RK 363F 1/10 -CP
R314	06S15593Y86	RES, RK 363F 1/10 -CP
R321	06T25277Y96	RES, RK 433J 1/16 -CP
R322	06T25277Y96	RES, RK 433J 1/16 -CP
R323	06T75431W43	RES, RK 221J 1/10 -CP
R324	06T75431W43	RES, RK 221J 1/10 -CP
R325	06T75431W35	RES, RK 101J 1/10 -CP
R326	06T75431W35	RES, RK 101J 1/10 -CP
R351	06T25277Y96	RES, RK 433J 1/16 -CP
R352	06T25277Y96	RES, RK 433J 1/16 -CP
R353	06T75431W42	RES, RK 201J 1/10 -CP
R354	06T75431W42	RES, RK 201J 1/10 -CP
R355	06T75431W35	RES, RK 101J 1/10 -CP
R356	06T75431W35	RES, RK 101J 1/10 -CP
R363	06T25277Y96	RES, RK 433J 1/16 -CP
R364	06T25277Y96	RES, RK 433J 1/16 -CP
R365	06T75431W42	RES, RK 201J 1/10 -CP
R367	06T75431W35	RES, RK 101J 1/10 -CP
R368	06T75431W42	RES, RK 201J 1/10 -CP
R370	06T75431W35	RES, RK 101J 1/10 -CP
R371	06T25277Y75	RES, RK 562J 1/16 -CP
R372	06T25277Y75	RES, RK 562J 1/16 -CP
R373	06T25277Y75	RES, RK 562J 1/16 -CP
R374	06T25277Y75	RES, RK 562J 1/16 -CP
R375	06T25277Y75	RES, RK 562J 1/16 -CP
R376	06T25277Y75	RES, RK 562J 1/16 -CP
R385	06T25277Y41	RES, RK 221J 1/16 -CP
R386	06T25277Y41	RES, RK 221J 1/16 -CP
R389	06T25277Y41	RES, RK 221J 1/16 -CP
R390	06T25277Y41	RES, RK 221J 1/16 -CP
R500	06T75431W59	RES, RK 102J 1/10 -CP
R501	06T75431W59	RES, RK 102J 1/10 -CP
R502	06T75431W59	RES, RK 102J 1/10 -CP
R503	06T75431W59	RES, RK 102J 1/10 -CP
R504	06T75431W59	RES, RK 102J 1/10 -CP
R505	06T75431W59	RES, RK 102J 1/10 -CP
R506	06T75431W59	RES, RK 102J 1/10 -CP
R507	06T75431W59	RES, RK 102J 1/10 -CP
R508	06T25278Y23	RES, RK 514J 1/16 -CP
R509	06T25278Y27	RES, RK 754J 1/16 -CP
R510	06S15593Y53	RES, RK 152F 1/10 -CP
R511	06T75431W59	RES, RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R512	06T25277Y57	RES, RK 102J 1/16 -CP
R513	06T25277Y81	RES, RK 103J 1/16 -CP
R514	06T25277Y57	RES, RK 102J 1/16 -CP
R515	06T25277Y57	RES, RK 102J 1/16 -CP
R516	06T25277Y57	RES, RK 102J 1/16 -CP
R517	06T25277Y57	RES, RK 102J 1/16 -CP
R519	06T25277Y83	RES, RK 123J 1/16 -CP
R520	06T25278Y06	RES, RK 104J 1/16 -CP
R521	06T75432W50	RES, RK JUMPER1/10-CP
R522	06T25277Y57	RES, RK 102J 1/16 -CP
R523	06T25277Y57	RES, RK 102J 1/16 -CP
R524	06T25277Y57	RES, RK 102J 1/16 -CP
R525	06T75434W14	RES, RK 474J 1/4 -CP
R526	06S15593Y55	RES, RK 182F 1/10 -CP
R529	06T25277Y97	RES, RK 473J 1/16 -CP
R530	06T25277Y97	RES, RK 473J 1/16 -CP
R531	06T75432W50	RES, RK JUMPER1/10-CP
R532	06T75432W50	RES, RK JUMPER1/10-CP
R533	06T25277Y57	RES, RK 102J 1/16 -CP
R534	06T25277Y57	RES, RK 102J 1/16 -CP
R535	06T25277Y57	RES, RK 102J 1/16 -CP
R536	06T25277Y81	RES, RK 103J 1/16 -CP
R537	06T25277Y81	RES, RK 103J 1/16 -CP
R541	06T25277Y57	RES, RK 102J 1/16 -CP
R542	06T25277Y77	RES, RK 682J 1/16 -CP
R543	06T25277Y81	RES, RK 103J 1/16 -CP
R544	06T25277Y89	RES, RK 223J 1/16 -CP
R549	06T25277Y57	RES, RK 102J 1/16 -CP
R550	06T25277Y89	RES, RK 223J 1/16 -CP
R551	06T25277Y73	RES, RK 472J 1/16 -CP
R552	06T25277Y57	RES, RK 102J 1/16 -CP
R553	06T25277Y89	RES, RK 223J 1/16 -CP
R554	06T25277Y81	RES, RK 103J 1/16 -CP
R555	06T25277Y81	RES, RK 103J 1/16 -CP
R559	06T25277Y81	RES, RK 103J 1/16 -CP
R560	06T25277Y89	RES, RK 223J 1/16 -CP
R561	06T75433W33	RES, RK 221J 1/4 -CP
R562	06T25277Y89	RES, RK 223J 1/16 -CP
R563	06T25277Y89	RES, RK 223J 1/16 -CP
R571	06T25277Y57	RES, RK 102J 1/16 -CP
R572	06T25277Y57	RES, RK 102J 1/16 -CP
R573	06T25277Y57	RES, RK 102J 1/16 -CP
R580	06T25277Y97	RES, RK 473J 1/16 -CP
R582	06T25277Y57	RES, RK 102J 1/16 -CP
R592	06T25277Y57	RES, RK 102J 1/16 -CP
R599	06T25277Y97	RES, RK 473J 1/16 -CP
R601	06T75433W73	RES, RK 103J 1/4 -CP
R602	06T25277Y97	RES, RK 473J 1/16 -CP
R603	06T75433W73	RES, RK 103J 1/4 -CP

Symbol No.	Part No.	Description
R604	06T25277Y81	RES, RK 103J 1/16 -CP
R605	06T75433W49	RES, RK 102J 1/4 -CP
R606	06T75431W83	RES, RK 103J 1/10 -CP
R607	06T75433W25	RES, RK 101J 1/4 -CP
R608	06T25277Y65	RES, RK 222J 1/16 -CP
R609	06T25277Y69	RES, RK 332J 1/16 -CP
R610	06T25277Y81	RES, RK 103J 1/16 -CP
R611	06T25277Y89	RES, RK 223J 1/16 -CP
R612	06T25277Y57	RES, RK 102J 1/16 -CP
R613	06T75433W13	RES, RK 33RJ 1/4 -CP
R614	06T75433W13	RES, RK 33RJ 1/4 -CP
R615	06T75433W13	RES, RK 33RJ 1/4 -CP
R616	06T75433W13	RES, RK 33RJ 1/4 -CP
R617	06T75433W13	RES, RK 33RJ 1/4 -CP
R618	06T75433W13	RES, RK 33RJ 1/4 -CP
R619	06T25277Y97	RES, RK 473J 1/16 -CP
R620	06T25277Y97	RES, RK 473J 1/16 -CP
R621	06T25277Y89	RES, RK 223J 1/16 -CP
R622	06T25277Y89	RES, RK 223J 1/16 -CP
R623	06T25277Y89	RES, RK 223J 1/16 -CP
R655	06T75433W39	RES, RK 391J 1/4 -CP
R801	06T75433W82	RES, RK 243J 1/4 -CP
R802	06T25590Y02	RES, RS 561J 1W -
R804	06T25278Y24	RES, RK 564J 1/16 -CP
R806	06T75433W65	RES, RK 472J 1/4 -CP
R807	06T75433W65	RES, RK 472J 1/4 -CP
R808	06T25277Y57	RES, RK 102J 1/16 -CP
R809	06T25277Y81	RES, RK 103J 1/16 -CP
R811	06T75431W59	RES, RK 102J 1/10 -CP
R812	06T25277Y99	RES, RK 563J 1/16 -CP
R813	06T75433W31	RES, RK 181J 1/4 -CP
R814	06T75434W22	RES, RK 2R2J 1/4 -CP
R815	06T75433W33	RES, RK 221J 1/4 -CP
R817	06T75434W22	RES, RK 2R2J 1/4 -CP
R818	06T75434W22	RES, RK 2R2J 1/4 -CP
R819	06T75433W47	RES, RK 821J 1/4 -CP
R824	06T75433W54	RES, RK 162J 1/4 -CP
R826	06T25277Y83	RES, RK 123J 1/16 -CP
R831	06T25277Y69	RES, RK 332J 1/16 -CP
R832	06T75433W49	RES, RK 102J 1/4 -CP
R833	06T75433W73	RES, RK 103J 1/4 -CP
R837	06T75431W92	RES, RK 243J 1/10 -CP
R838	06T75433W55	RES, RK 182J 1/4 -CP
R839	06T75433W55	RES, RK 182J 1/4 -CP
R840	06T25590Y03	RES, RS 2R2J 1W -
R847	06T75431W83	RES, RK 103J 1/10 -CP
R850	06T25277Y61	RES, RK 152J 1/16 -CP
R851	06T25277Y65	RES, RK 222J 1/16 -CP
R853	06T25277Y65	RES, RK 222J 1/16 -CP

Symbol No.	Part No.	Description
R854	06T25277Y61	RES, RK 152J 1/16 -CP
R855	06T75433W01	RES, RK 10RJ 1/4 -CP
R856	06T75433W15	RES, RK 39RJ 1/4 -CP
R857	06T75433W15	RES, RK 39RJ 1/4 -CP
R858	06T75433W15	RES, RK 39RJ 1/4 -CP
R859	06T75433W15	RES, RK 39RJ 1/4 -CP
R860	06T25277Y59	RES, RK 122J 1/16 -CP
R861	06T25277Y73	RES, RK 472J 1/16 -CP
R862	06T25277Y77	RES, RK 682J 1/16 -CP
R863	06T25277Y81	RES, RK 103J 1/16 -CP
R864	06T25277Y81	RES, RK 103J 1/16 -CP
R865	06T25277Y81	RES, RK 103J 1/16 -CP
R866	06T25277Y81	RES, RK 103J 1/16 -CP
R867	06T25277Y77	RES, RK 682J 1/16 -CP
R868	06T25277Y84	RES, RK 133J 1/16 -CP
R869	06T25277Y85	RES, RK 153J 1/16 -CP
R870	06T25277Y83	RES, RK 123J 1/16 -CP
R872	06T75433W35	RES, RK 271J 1/4 -CP
R873	06T75433W35	RES, RK 271J 1/4 -CP
R874	06T25277Y90	RES, RK 243J 1/16 -CP
R875	06T75433W41	RES, RK 471J 1/4 -CP
R876	06S15593Y55	RES, RK 182F 1/10 -CP
R877	06S15593Y67	RES, RK 562F 1/10 -CP
R878	06T25277Y97	RES, RK 473J 1/16 -CP
R879	06T25277Y81	RES, RK 103J 1/16 -CP
R881	06T75434W22	RES, RK 2R2J 1/4 -CP
R882	06T75431W83	RES, RK 103J 1/10 -CP
R889	06T75432W50	RES, RK JUMPER1/10-CP
RA506	06S45591W06	RES, ARY MNR102J 4-CP
RA507	06S45591W06	RES, ARY MNR102J 4-CP
RA508	06S45591W06	RES, ARY MNR102J 4-CP
RA510	06S45591W06	RES, ARY MNR102J 4-CP
RA511	06S45591W06	RES, ARY MNR102J 4-CP

Connectors

CB330	09T25436Y06	WTB, 53253-0610 -DB
CB331	09T25436Y03	WTB, 53253-0310 -DB
CB501	09T45434W15	FFC, 52271-1590 -ED
CB601	09T25436Y02	WTB, 53253-0210 -DB
CB802	09T25738Y05	WTB, 53254-0510 -DB
CB803	09T25738Y03	WTB, 53254-0310 -DB
CH101	09T25684Y22	FFC, SLW22R-1C7 -DB

Symbol No.	Part No.	Description

Front P.W.Board

IC's

IC401	51T85152W01	LC75883 -QT
IC402	51T15186Y01	LC75823W -QT
IC403	51T35614Y01	SBX3050-02 -NE5

Transistors

Q401	48T63788F04	TR , CP. 2SD1328-T -TX
Q402	48T63788F04	TR , CP. 2SD1328-T -TX
Q403	48T63788F04	TR , CP. 2SD1328-T -TX
Q404	48T64222F01	TR , UN2211 10-10 -TX
Q405	48T64222F01	TR , UN2211 10-10 -TX
Q407	48T73023F01	TR , 2SD874A -E2

Diodes

D401	48T81063F01	DIO, CP. MA159 / TX-CP
D402	48T94471F01	TR , IMN10
D405	48T85357W01	DIO, 1PS226 -CP
D406	48T85357W01	DIO, 1PS226 -CP
D407	48T85357W01	DIO, 1PS226 -CP
D408	48T85357W01	DIO, 1PS226 -CP
D409	48T85357W01	DIO, 1PS226 -CP
D411	48T25651W02	DIO, MA152WK-TX -CP
D450	48T44813F03	DIO, MA165 -R5
ZD401	48T84735F21	DIO, ZEN. MA3082-H -CP
ZD402	48T15541Y23	DIO, ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO, ZEN MAZS180 -CP
ZD404	48T15541Y23	DIO, ZEN MAZS180 -CP
ZD407	48T15541Y23	DIO, ZEN MAZS180 -CP
ZD408	48T62934F26	DIO, ZEN. RD6. 2MB3 -CP
ZD409	48T62934F26	DIO, ZEN. RD6. 2MB3 -CP

LED's

LD401	48T25534Y02	LED, RED BR1111C -CP
LD402	48T25534Y10	LED, YEL FY1111C -CP
LD403	48T25534Y10	LED, YEL FY1111C -CP
LD404	48T25534Y10	LED, YEL FY1111C -CP
LD405	48T25534Y03	LED, AMB AA1111C -CP
LD406	48T25534Y03	LED, AMB AA1111C -CP
LD407	48T25534Y03	LED, AMB AA1111C -CP
LD408	48T25534Y03	LED, AMB AA1111C -CP
LD409	48T25534Y03	LED, AMB AA1111C -CP

Symbol No.	Part No.	Description
LD410	48T25534Y03	LED, AMB AA1111C -CP
LD411	48T25534Y03	LED, AMB AA1111C -CP
LD412	48T25534Y03	LED, AMB AA1111C -CP
LD413	48T25534Y03	LED, AMB AA1111C -CP
LD414	48T25534Y03	LED, AMB AA1111C -CP
LD415	48T25534Y03	LED, AMB AA1111C -CP
LD416	48T25534Y03	LED, AMB AA1111C -CP
LD417	48T25534Y03	LED, AMB AA1111C -CP
LD418	48T25534Y03	LED, AMB AA1111C -CP
LD419	48T25534Y03	LED, AMB AA1111C -CP
LD420	48T25534Y03	LED, AMB AA1111C -CP
LD421	48T25534Y03	LED, AMB AA1111C -CP
LD422	48T25534Y03	LED, AMB AA1111C -CP
LD423	48T25534Y03	LED, AMB AA1111C -CP
LD424	48T25534Y03	LED, AMB AA1111C -CP
LD425	48T25534Y03	LED, AMB AA1111C -CP
LD426	48T45280Y01	LED, WHT NSCWS405T-E2
LD427	48T45280Y01	LED, WHT NSCWS405T-E2
LD428	48T45280Y01	LED, WHT NSCWS405T-E2
LD429	48T45280Y01	LED, WHT NSCWS405T-E2
LD430	48T45280Y01	LED, WHT NSCWS405T-E2
LD431	48T45280Y01	LED, WHT NSCWS405T-E2
LD432	48T25534Y01	LED, GRN BG1111C -CP
LD433	48T25534Y01	LED, GRN BG1111C -CP
LD434	48T25534Y01	LED, GRN BG1111C -CP
LD435	48T25534Y01	LED, GRN BG1111C -CP
LD440	48T25534Y01	LED, GRN BG1111C -CP
LD441	48T25534Y01	LED, GRN BG1111C -CP
LD442	48T25534Y01	LED, GRN BG1111C -CP
LD443	48T25534Y01	LED, GRN BG1111C -CP
LD444	48T25534Y01	LED, GRN BG1111C -CP
LD445	48T25534Y01	LED, GRN BG1111C -CP

Switches

SW401	40T55656W06	SW, TACT SKQMAJ001-E2 (SOURCE/POWER)
SW402	40T55656W06	SW, TACT SKQMAJ001-E2 (FWD/UP)
SW403	40T55656W06	SW, TACT SKQMAJ001-E2 (X-OVER)
SW404	40T25004Y01	SW, TACT SKQYPB -E2 (3/PTY)
SW405	40T55656W06	SW, TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME)
SW406	40T25004Y01	SW, TACT SKQYPB -E2 (TITLE)
SW407	40T25004Y01	SW, TACT SKQYPB -E2 (4/R.TEXT/M.I.X.)
SW408	40T55656W06	SW, TACT SKQMAJ001-E2 (BAND/T.S.M.)
SW409	40T55656W06	SW, TACT SKQMAJ001-E2 (T.INFO)
SW410	40T25004Y01	SW, TACT SKQYPB -E2 (F/SET UP)
SW411	40T55656W06	SW, TACT SKQMAJ001-E2 (DISP)
SW412	40T55656W06	SW, TACT SKQMAJ001-E2 (B-FWD/DEFEAT)
SW413	40T25004Y01	SW, TACT SKQYPB -E2 (1/AF)
SW414	40T25004Y01	SW, TACT SKQYPB -E2 (5/REPEAT)
SW415	40T25004Y01	SW, TACT SKQYPB -E2 (EJECT)
SW416	40T55656W06	SW, TACT SKQMAJ001-E2 (BWD/DN)
SW417	40T55656W06	SW, TACT SKQMAJ001-E2 (CENTERf)
SW418	40T25004Y01	SW, TACT SKQYPB -E2 (2/P.PTY)
SW419	40T25004Y01	SW, TACT SKQYPB -E2 (6/SCAN)
SW420	40T25004Y01	SW, TACT SKQYPB -E2 (ANGLE▲▼)
SW422	40T55656W06	SW, TACT SKQMAJ001-E2 (RESET)

Lamps

PL401	65T35324Y02	LAMP, GRN 6-80 -E5
PL402	65T35324Y02	LAMP, GRN 6-80 -E5
PL403	65T35324Y02	LAMP, GRN 6-80 -E5
PL404	65T35324Y02	LAMP, GRN 6-80 -E5

Capacitors

C401	08S53332F62	CAP, CP .473-K-B -CP
C402	08S82122F61	CAP, CER. 102J-CH1H-CP
C403	08T15399W03	CAP, CER. 473K-B1H -CP
C404	08T15399W03	CAP, CER. 473K-B1H -CP
C405	08S53332F62	CAP, CP .473-K-B -CP
C406	08T15399W03	CAP, CER. 473K-B1H -CP
C407	08T15399W03	CAP, CER. 473K-B1H -CP
C408	08S82122F57	CAP, CER. 681J-CH1H-CP
C409	08T15349Y01	CAP, CER 105K-B1A -CP
C411	08S45677W42	CAP, CER. 181J-CH1H-CP
C412	08S45677W42	CAP, CER. 181J-CH1H-CP
C413	08S45677W42	CAP, CER. 181J-CH1H-CP
C414	08S45677W42	CAP, CER. 181J-CH1H-CP
C415	08S45677W42	CAP, CER. 181J-CH1H-CP
C416	08S45677W42	CAP, CER. 181J-CH1H-CP
C417	08T15399W01	CAP, CER. 223K-B1H -CP
E402	23S55311W42	CAP, TAN. 4R7-1D-B -CP

Resistors

R400	06T75433W75	RES, RK 123J 1/4 -CP
R401	06T75431W59	RES, RK 102J 1/10 -CP
R402	06T75431W59	RES, RK 102J 1/10 -CP
R403	06T75431W59	RES, RK 102J 1/10 -CP
R404	06T75431W59	RES, RK 102J 1/10 -CP
R405	06T75431W47	RES, RK 331J 1/10 -CP
R406	06T75431W59	RES, RK 102J 1/10 -CP

Symbol No.	Part No.	Description
R407	06T75431W59	RES, RK 102J 1/10 -CP
R409	06T75433W03	RES, RK 12RJ 1/4 -CP
R410	06T75433W08	RES, RK 20RJ 1/4 -CP
R411	06T75433W44	RES, RK 621J 1/4 -CP
R412	06T75433W39	RES, RK 391J 1/4 -CP
R413	06T75433W39	RES, RK 391J 1/4 -CP
R414	06T75433W39	RES, RK 391J 1/4 -CP
R415	06T75433W43	RES, RK 561J 1/4 -CP
R416	06T75433W35	RES, RK 271J 1/4 -CP
R417	06T75433W25	RES, RK 101J 1/4 -CP
R418	06T75433W25	RES, RK 101J 1/4 -CP
R419	06T75433W25	RES, RK 101J 1/4 -CP
R420	06T75431W67	RES, RK 222J 1/10 -CP
R421	06T75431W67	RES, RK 222J 1/10 -CP
R422	06T75433W21	RES, RK 68RJ 1/4 -CP
R423	06T75431W67	RES, RK 222J 1/10 -CP
R427	06T25277Y96	RES, RK 433J 1/16 -CP
R429	06T25277Y57	RES, RK 102J 1/16 -CP
R438	06T25277Y57	RES, RK 102J 1/16 -CP
R439	06T25277Y96	RES, RK 433J 1/16 -CP
R443	06T75432W08	RES, RK 104J 1/10 -CP
R444	06T75431W75	RES, RK 472J 1/10 -CP
R446	06T75431W35	RES, RK 101J 1/10 -CP
R448	06T25277Y57	RES, RK 102J 1/16 -CP
R450	06T75433W32	RES, RK 201J 1/4 -CP
R451	06T75433W33	RES, RK 221J 1/4 -CP
R452	06T75433W49	RES, RK 102J 1/4 -CP
R454	06T75433W32	RES, RK 201J 1/4 -CP
R455	06T75433W33	RES, RK 221J 1/4 -CP
R456	06T75434W26	RES, RK JUMPER 1/4-CP
R468	06T75433W36	RES, RK 301J 1/4 -CP
R469	06T75433W36	RES, RK 301J 1/4 -CP
R471	06T75434W26	RES, RK JUMPER 1/4-CP
R474	06T75433W01	RES, RK 10RJ 1/4 -CP
R475	06T75433W60	RES, RK 302J 1/4 -CP
R476	06T75433W41	RES, RK 471J 1/4 -CP
R480	06T75432W50	RES, RK JUMPER1/10-CP
RA401	06S45591W06	RES, ARY MNR102J 4-CP
RA402	06S45591W06	RES, ARY MNR102J 4-CP
RA403	06S45591W06	RES, ARY MNR102J 4-CP
RA404	06S45591W06	RES, ARY MNR102J 4-CP

Symbol No.	Part No.	Description
DP-S Main P.W.Board		
IC's		
IC101	51T25729Y05	MN662771AB1 -QT
IC102	51T35372Y01	AN8882SB-E1 -SEA
IC103	51T25503Y01	BA5985FM-E2 -SEA
IC104	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC201	51T11054W02	NJM78L05UA-TE1 -NE2
IC203	51T16025W01	IC, NJM2100M-TE3-SE03
Transistors		
Q101	48T80611F01	CP. 2SB1132-QR-101-E3
Q102	48T73888F08	TR , CP. FMG1-99
Q103	48T73888F08	TR , CP. FMG1-99
Q105	48T73888F12	TR , CP. FMC2-99
Q106	48T94875F06	DTB, CP-113ZK-96
Q107	48T94606F03	TR, DTC124EUA-T106-CP
Diode		
D101	48T81063F01	DIO, CP. MA159 / TX-CP
Crystals		
CL102	91T75576W01	OSC, CER EFOS4194E-E5
XL101	91T35227Y01	XTL, CS10 16.9344M-E2
Thermistor		
TH101	48T25250Y01	TMT, ERTJ1VV104J -CP
Capacitors		
C101	08S65128F78	CAP, CER. 223K-B1H -CP
C102	08S65128F90	CAP, CER 473K-B1H -CP
C104	08S65128F78	CAP, CER. 223K-B1H -CP
C105	08S65128F64	CAP, CER. 392K-B1H -CP
C106	08T15349Y01	CAP, CER 105K-B1A -CP
C108	08S65128F79	CAP, CER. 273K-B1H -CP
C109	08S65128F79	CAP, CER. 273K-B1H -CP
C110	08S65128F65	CAP, CER. 472K-B1H -CP
C111	08S65128F61	CAP, CER. 222K-B1H -CP
C112	08S12453W04	CAP, CER 331G-CH1H-CP

Symbol No.	Part No.	Description
C114	08S65128F67	CAP, CER. 682K-B1H -CP
C115	08S65128F78	CAP, CER. 223K-B1H -CP
C120	08S82122F55	CAP, CER. 561J-CH1H-CP
C121	08S35374W01	CAP, CER 104K-B1E-CP
C122	08S82122F42	CAP, CER. 161J-CH1H-CP
C123	08S82122F33	CAP, CER. 68RJ-CH1H-CP
C124	08S65128F78	CAP, CER. 223K-B1H -CP
C125	08S65128F66	CAP, CER. 562K-B1H -CP
C126	08S35374W01	CAP, CER 104K-B1E-CP
C127	08S35374W01	CAP, CER 104K-B1E-CP
C129	08S65128F60	CAP, CER. 182K-B1H -CP
C131	08S82122F37	CAP, CER. 101J-CH1H-CP
C133	08S35374W01	CAP, CER 104K-B1E-CP
C134	08S65128F78	CAP, CER. 223K-B1H -CP
C135	08S65128F78	CAP, CER. 223K-B1H -CP
C136	08S65128F78	CAP, CER. 223K-B1H -CP
C137	08S35374W01	CAP, CER 104K-B1E-CP
C138	08T55487W02	CAP, CER. 224K-B1C -CP
C139	08S65128F78	CAP, CER. 223K-B1H -CP
C140	08S65128F78	CAP, CER. 223K-B1H -CP
C141	08S35374W01	CAP, CER 104K-B1E-CP
C146	08S53332F67	CAP, CER. 104K-B1H -CP
C147	08S65128F78	CAP, CER. 223K-B1H -CP
C148	08S65128F57	CAP, CER. 102K-B1H -CP
C149	08S65128F41	CAP, CER. 181J-SL1H-CP
C150	08S65128F59	CAP, CER. 152K-B1H -CP
C151	08S65128F69	CAP, CER. 103K-B1H -CP
C153	08S35374W01	CAP, CER 104K-B1E-CP
C201	08S82122F59	CAP, CER. 821J-CH1H-CP
C202	08S82122F59	CAP, CER. 821J-CH1H-CP
C203	08S82122F47	CAP, CER. 271J-CH1H-CP
C204	08S82122F47	CAP, CER. 271J-CH1H-CP
C207	08S82122F41	CAP, CER. 151J-CH1H-CP
C208	08S82122F41	CAP, CER. 151J-CH1H-CP
C209	08S45677W18	CAP, CER. 18RJ-CH1H-CP
C210	08S45677W18	CAP, CER. 18RJ-CH1H-CP
E101	23S55311W35	CAP, TAN 10R-1C-B -CP
E102	23T85373W03	CAP, ECAR 47R-05-C-E5
E103	23T85373W03	CAP, ECAR 47R-05-C-E5
E104	23T85373W06	CAP, RA 4R7-1V-B -E5
E106	23T85373W05	CAP, ECAR 10R-1C-C-E5
E107	23S55311W35	CAP, TAN 10R-1C-B -CP
E108	23S55311W35	CAP, TAN 10R-1C-B -CP
E110	23S55311W35	CAP, TAN 10R-1C-B -CP
E111	23T85373W03	CAP, ECAR 47R-05-C-E5
E112	23T85373W04	CAP, RA 22R-0J-B -E5
E113	23T85373W05	CAP, ECAR 10R-1C-C-E5
E201	23T85373W04	CAP, RA 22R-0J-B -E5
E202	23T85373W04	CAP, RA 22R-0J-B -E5

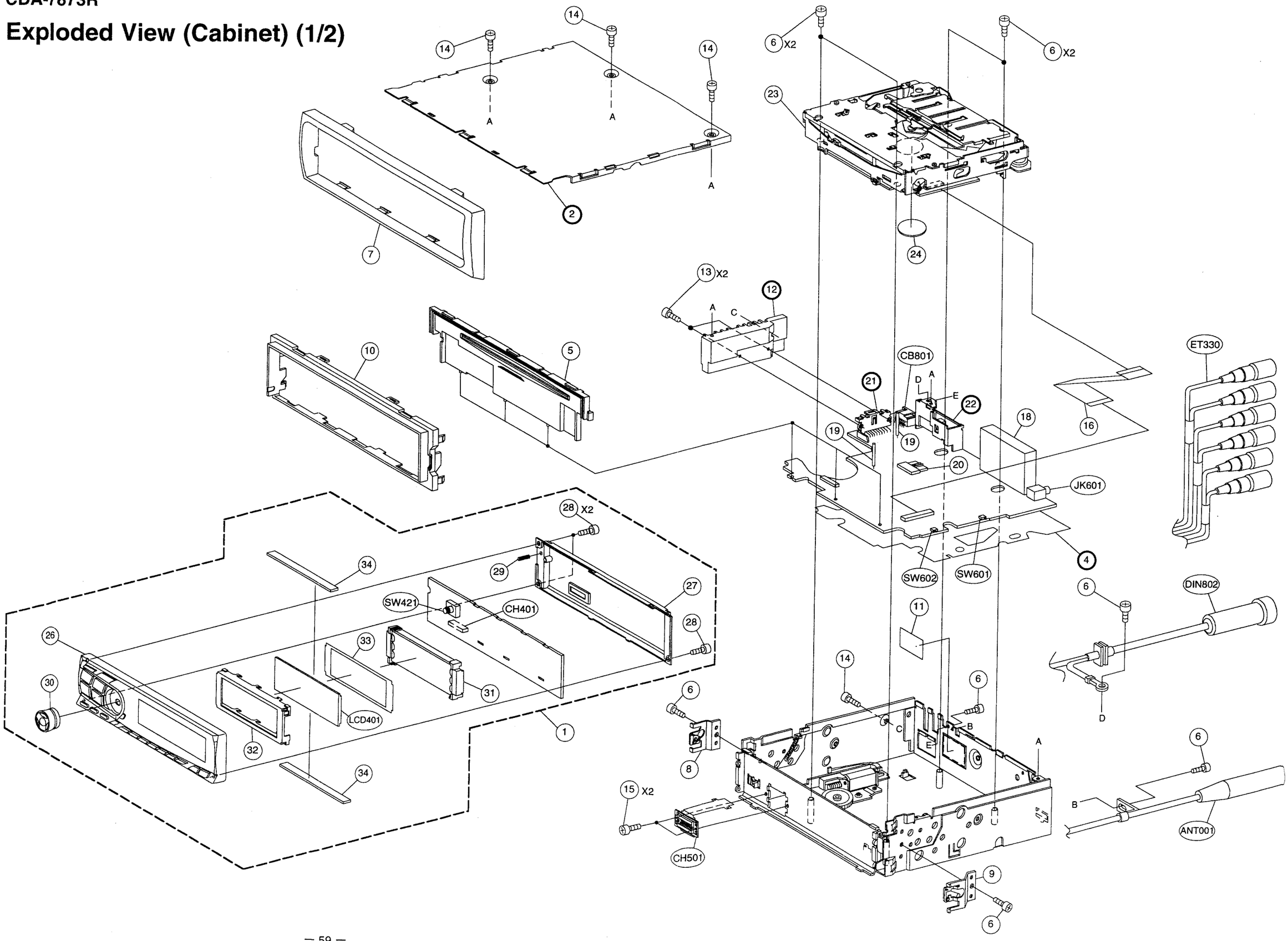
Symbol No.	Part No.	Description
E203	23T85373W04	CAP, RA 22R-0J-B -E5
Resistors		
R101	06T25277Y82	RES, RK 113J 1/16 -CP
R102	06T25279Y04	RES, RK JUMPER1/16-CP
R103	06T25279Y04	RES, RK JUMPER1/16-CP
R104	06T25277Y82	RES, RK 113J 1/16 -CP
R105	06T75433W01	RES, RK 10RJ 1/4 -CP
R106	06T25277Y97	RES, RK 473J 1/16 -CP
R107	06T75433W03	RES, RK 12RJ 1/4 -CP
R108	06T25277Y93	RES, RK 333J 1/16 -CP
R109	06T25277Y97	RES, RK 473J 1/16 -CP
R110	06T25277Y99	RES, RK 563J 1/16 -CP
R111	06T25279Y04	RES, RK JUMPER1/16-CP
R112	06T25277Y81	RES, RK 103J 1/16 -CP
R113	06T25277Y99	RES, RK 563J 1/16 -CP
R114	06T25278Y14	RES, RK 224J 1/16 -CP
R115	06T25278Y15	RES, RK 244J 1/16 -CP
R116	06T25277Y97	RES, RK 473J 1/16 -CP
R120	06T25277Y74	RES, RK 512J 1/16 -CP
R121	06T25277Y88	RES, RK 203J 1/16 -CP
R122	06T25277Y81	RES, RK 103J 1/16 -CP
R123	06T25277Y87	RES, RK 183J 1/16 -CP
R124	06T25277Y33	RES, RK 101J 1/16 -CP
R125	06T25277Y97	RES, RK 473J 1/16 -CP
R126	06T25277Y92	RES, RK 303J 1/16 -CP
R127	06T25277Y98	RES, RK 513J 1/16 -CP
R128	06T25277Y67	RES, RK 272J 1/16 -CP
R129	06T25278Y20	RES, RK 394J 1/16 -CP
R130	06T25277Y97	RES, RK 473J 1/16 -CP
R131	06T25279Y04	RES, RK JUMPER1/16-CP
R132	06T25279Y04	RES, RK JUMPER1/16-CP
R133	06T25277Y57	RES, RK 102J 1/16 -CP
R134	06T25277Y65	RES, RK 222J 1/16 -CP
R141	06T25277Y33	RES, RK 101J 1/16 -CP
R149	06T25277Y50	RES, RK 511J 1/16 -CP
R150	06T25278Y20	RES, RK 394J 1/16 -CP
R151	06T25277Y98	RES, RK 513J 1/16 -CP
R152	06T25277Y81	RES, RK 103J 1/16 -CP
R153	06T25277Y93	RES, RK 333J 1/16 -CP
R154	06T25277Y81	RES, RK 103J 1/16 -CP
R155	06T25277Y33	RES, RK 101J 1/16 -CP
R156	06T25277Y33	RES, RK 101J 1/16 -CP
R157	06T25277Y89	RES, RK 223J 1/16 -CP
R158	06T25277Y85	RES, RK 153J 1/16 -CP
R159	06T25277Y81	RES, RK 103J 1/16 -CP
R160	06T25279Y04	RES, RK JUMPER1/16-CP

Symbol No.	Part No.	Description
R161	06T25277Y67	RES, RK 272J 1/16 -CP
R162	06T25278Y14	RES, RK 224J 1/16 -CP
R163	06T25277Y49	RES, RK 471J 1/16 -CP
R164	06T25278Y06	RES, RK 104J 1/16 -CP
R165	06T25279Y01	RES, RK 105J 1/16 -CP
R166	06T25277Y33	RES, RK 101J 1/16 -CP
R167	06T25277Y33	RES, RK 101J 1/16 -CP
R168	06T25277Y33	RES, RK 101J 1/16 -CP
R169	06T25277Y33	RES, RK 101J 1/16 -CP
R170	06T25277Y97	RES, RK 473J 1/16 -CP
R171	06T25279Y04	RES, RK JUMPER1/16-CP
R172	06T25277Y97	RES, RK 473J 1/16 -CP
R173	06T25279Y04	RES, RK JUMPER1/16-CP
R174	06T25277Y93	RES, RK 333J 1/16 -CP
R177	06T25277Y79	RES, RK 822J 1/16 -CP
R178	06T25278Y08	RES, RK 124J 1/16 -CP
R179	06T25277Y33	RES, RK 101J 1/16 -CP
R180	06T25277Y33	RES, RK 101J 1/16 -CP
R181	06T25277Y33	RES, RK 101J 1/16 -CP
R182	06T25277Y33	RES, RK 101J 1/16 -CP
R183	06T25277Y33	RES, RK 101J 1/16 -CP
R184	06T25277Y33	RES, RK 101J 1/16 -CP
R185	06T25277Y33	RES, RK 101J 1/16 -CP
R186	06T25277Y33	RES, RK 101J 1/16 -CP
R187	06T25277Y33	RES, RK 101J 1/16 -CP
R188	06T25277Y33	RES, RK 101J 1/16 -CP
R189	06T25277Y33	RES, RK 101J 1/16 -CP
R190	06T25277Y33	RES, RK 101J 1/16 -CP
R191	06T25277Y97	RES, RK 473J 1/16 -CP
R203	06T75433W78	RES, RK 163J 1/4 -CP
R204	06T75433W78	RES, RK 163J 1/4 -CP
R205	06T75433W57	RES, RK 222J 1/4 -CP
R206	06T75433W57	RES, RK 222J 1/4 -CP
R207	06T75433W77	RES, RK 153J 1/4 -CP
R208	06T75433W77	RES, RK 153J 1/4 -CP
R209	06T75433W50	RES, RK 112J 1/4 -CP
R210	06T75433W50	RES, RK 112J 1/4 -CP
R211	06T75434W07	RES, RK 244J 1/4 -CP
R212	06T75434W07	RES, RK 244J 1/4 -CP
R213	06T75433W17	RES, RK 47RJ 1/4 -CP
R214	06T75433W17	RES, RK 47RJ 1/4 -CP
R217	06T75433W68	RES, RK 622J 1/4 -CP
R218	06T75433W68	RES, RK 622J 1/4 -CP
R219	06T75434W07	RES, RK 244J 1/4 -CP
R220	06T75434W07	RES, RK 244J 1/4 -CP

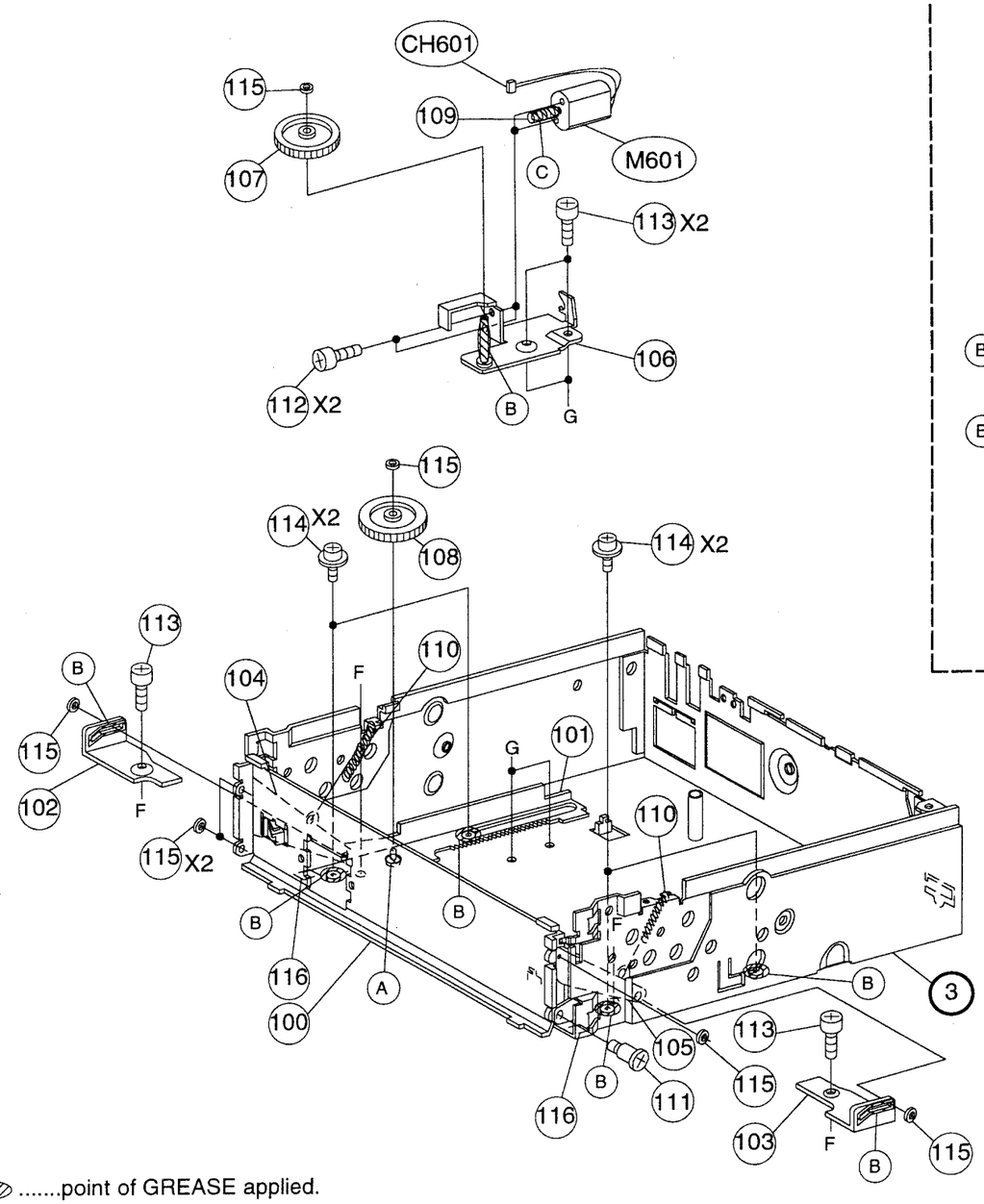
Symbol No.	Part No.	Description
Connectors		
CB101	09T45435W15	FFC, 52207-1590 -ED
CB102	09T45435W07	FFC, 52207-0790 -E9
CB801	09T45435W22	FFC, 52207-2290 -EQ
Miscellaneous		
ANT001	01T15513W30	ASSY, ANT CABLE 7865R
CB801	09T35473Y16	WTB, F169B001-16 -DB
CH401	09T25444Y15	BTB, 55323-1511 -B
CH501	01T35001Y02	ASSY, UNIZON CONN 71A
CH601	01T01885K01	ASSY, CONN 2P
DIN802	01T35496Y05	ASSY, DIN 7875A0
ET330	01T35497Y09	ASSY, WIRE RCA7875A0 (FRONT OUT/REAR OUT/SUB-W)
JK601	09T95460W01	JAC, HSJ0857-01-1010+
LCD401	65T45245Y02	LCD, MF7875A0
M601	59T65085W01	MOTOR, LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW421	40T45266Y01	ENC, EC11E15245 -B (VOLUME/MODE・BBE)
SW601	40T15494Y07	SW, DETCT SPVG21 -E6 (NOSE CLOSE DET)
SW602	40T15494Y08	SW, DETCT SPVG11 -E6 (NOSE OPEN DET)
DP23S07A		
HD101	81B40519Y01	PICKUP, EP21A65L
M101	01V21600Y50	ASSY, MOTOR-WORM (7V-370mA)
M102	01V21600Y53	ASSY, MOTOR SLED (7V-370mA)
M103	01V21600Y55	ASSY, MOTOR SPINDLE (2V-90mA)
SW1	40T15494Y01	SW, DETCT SPVG23 -E6 (12cm DISC DETECT (EJECT POSITION/ RELOAD))
SW2	40T15494Y02	SW, DETCT SPVG13 -E6 (8/12cm DISC DETECT (INSERT/PULL OUT))
SW3	40T15494Y07	SW, DETCT SPVG21 -E6 (8cm DISC DETECT (EJECT POSITION/ RELOAD))
SW4	40T15494Y01	SW, DETCT SPVG23 -E6 (DISC CHUCKING END DETECT)
SW105	40T71025F03	SW, DETCT SPPB120 (LIMIT)

CDA-7873R

Exploded View (Cabinet) (1/2)

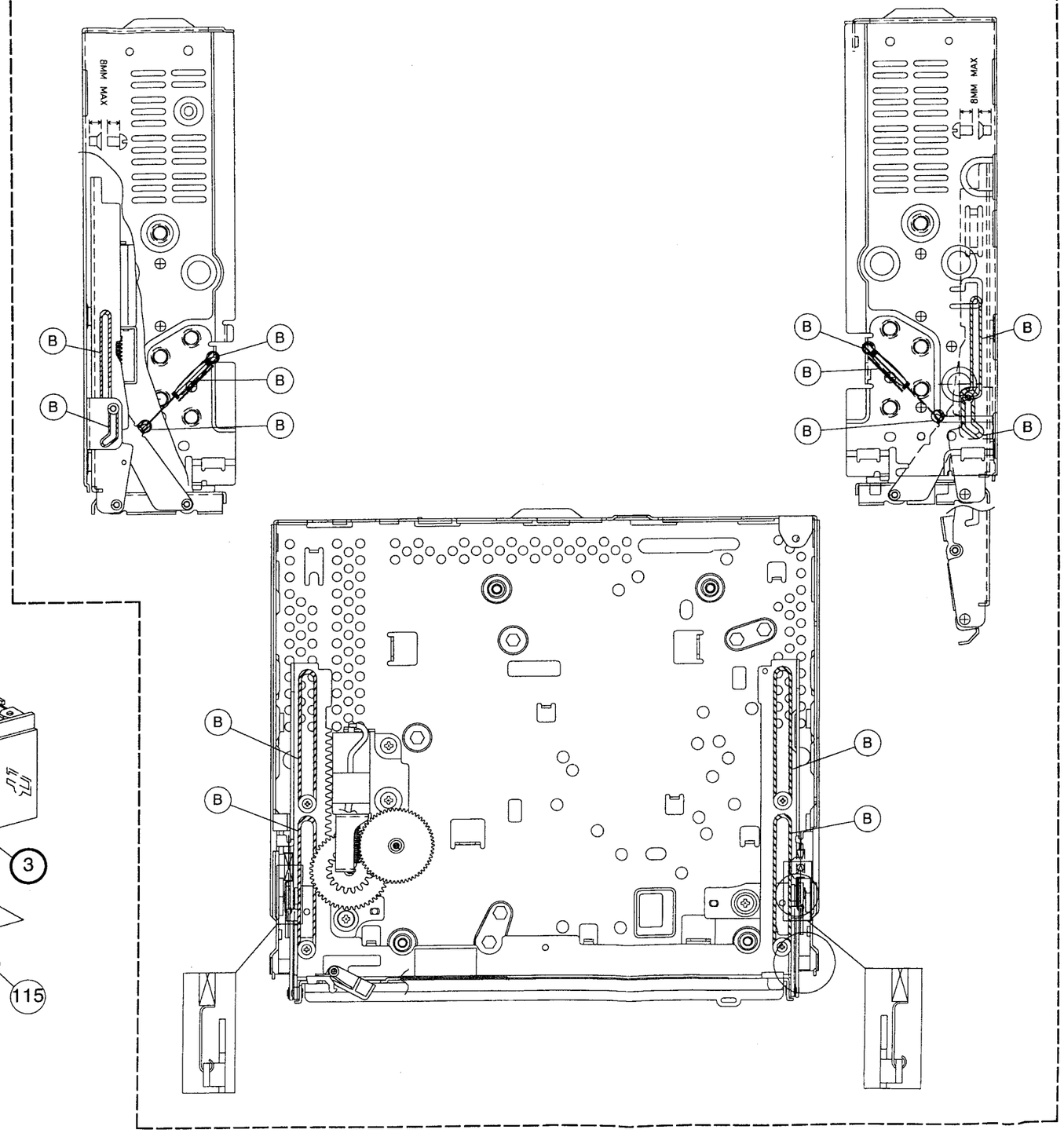


Exploded View (Cabinet) (2/2)



..... point of GREASE applied.

(A)	GREASE, FG-53C (11S20853Y01)
(B)	GREASE, E PASTE (11S42419J09)
(C)	GREASE SILICON (11S490487)



Cabinet Assembly Parts List

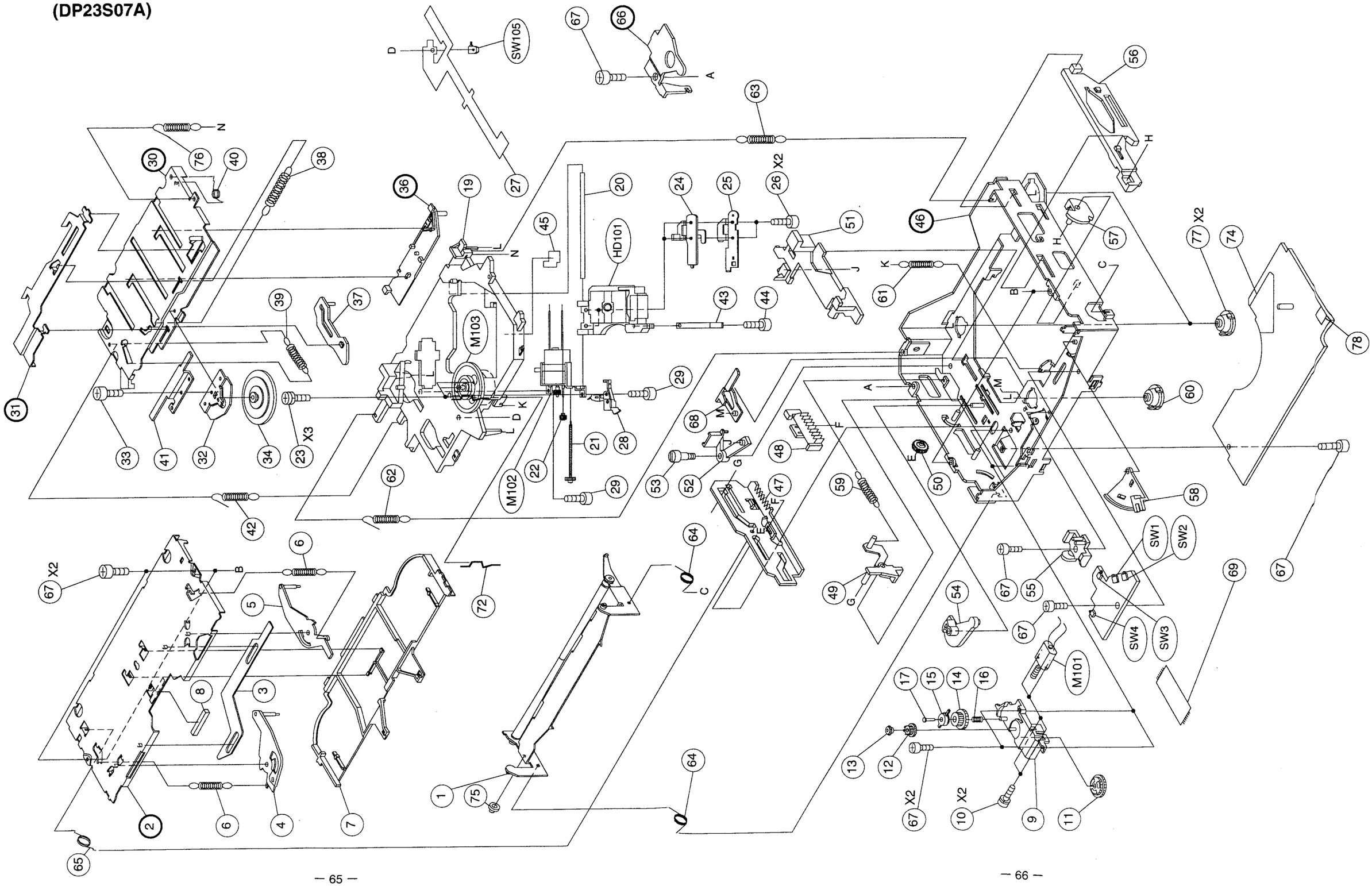
NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V46100Y07	ASSY, NOSE UNIT 73RO
5		13C21370Y02	NOSE, BASE (CD) ASSY
6		03S44205G07	SCR, T-TITE M2. 6X5
7		33C01797K01	FACE, PLATE
8		07D91595W01	BKT, SIDE ASSY
9		07D91595W02	BKT, SIDE (R) ASSY
10		13D21372Y01	NOSE, BASE COVER
11		14S30726Y22	INS, SHEET
13		03S38013W05	SCR, T-TITE M2. 6X16
14		03S71677F02	SCR, T-TITE-B M2. 6X6
15		03S94385F77	SCR, NYLOK M1. 7X3
16		30T45473Y03	FFC, RLW0306-1A
18		77B30901Y01	MB4R9030, FM/AM UNIT (TU001)
19		09T84840F02	LUG, STYLE 32MM
20		36A70327W01	KNOB, SLIDE
23		81D31851Y01	DP23S07A, CD MECH
24		26A41622Y01	SHIELD, PLATE (CD)
26		13D01837K03	NOSE, PIECE ASSY (H)
27		13D40822Y01	NOSE, BOTTOM
28		03S68555F20	SCR, WAVE M1. 7X5
29		41A50111W10	SPRING, KNOB
30		36B41322Y01	KNOB, ROTARY ASSY (M)
31		15D01793K01	CASE, LCD ASSY
32		15B01794K01	COVER, LCD
33		26A41974Y01	REFLECTOR, SHEET
34		75T85248W13	RUBBER, ELECTRIC
100		01C01750K01	ASSY, BKT F BASE
101		07B01757K01	BKT, SLIDER
102		07B01753K01	BKT, BASE L
103		07B01753K02	BKT, BASE R
104		07A01754K01	BKT, ARM (L)
105		07A01754K02	BKT, ARM (R)
106		07C01755K01	BKT, MOTOR
107		44B01846K01	GEAR, CLUTCH ASSY
108		44A01841K01	GEAR, SLIDER
109		44A01840K01	GEAR, WORM
110		41A22014Y01	SPRING, EXTENSION
111		03A20851Y02	SCR, SLIDER
112		03S68259F23	SCR, PWRLOCK M2X3
113		03S94385F13	SCR, NYLOCK M2. 6X3
114		03D40121T56	SCR, MECH (W/W) M2X4
115		04B41345P54	WASHER 1. 7X2. 1X0. 35
116		75S21219Y48	CUSHION RUB 9X4. 5Xt2

CD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01V21600Y47	ASSY, ARM GUIDE
3		45B11564Y01	LEVER, LINK-TOP
4		45B11595Y01	LEVER, DISC (R)
5		45B11596Y01	LEVER, DISC (L)
6		41B11613Y02	SPRING, PULL
7		15D11588Y01	GUIDE, TOP DPS
8		75A21286Y01	CUSHION, CLAMPER DP-S
9		07C11584Y01	BKT, MOTOR LOAD
10		03S40014G07	SCR, MCH M2X4
11		44B11578Y01	GEAR, (A)
12		44B11579Y01	GEAR, (B)
13		44B11580Y01	GEAR, (C)
14		44B11582Y01	GEAR, (E)
15		15A11587Y01	HOLDER, CLUCH
16		41A11612Y01	SPRING, COMP
17		47A11571Y01	SHAFT, CLUTCH
19		27D11602Y01	CHASSIS, PICKUP
20		47A11575Y01	SHAFT, PICK
21		01V21600Y54	ASSY, SHAFT SCREW
22		44A70590W04	GEAR, MIDDLE
23		03S72235F96	SCR, MCH M1. 7X3. 5 (SW)
24		07B30337Y01	BKT, SPRING NUT
25		41A11606Y01	SPRING, NUT
26		03S94385F18	SCR, NYLON M2X3. 5
27		84T01803K01	PANEL, FPC CONT
28		41B11566Y01	SPRING, SHAFT
29		03S70494F13	SCR, P-TITE M2X6 BLK
32		07A11565Y01	PLATE, CLAMP
33		03S94385F02	SCR, NYLOK M1. 7X3
34		43A30262Y01	TABLE, CLAMPER-R
37		45A11599Y01	LEVER, ACTUATOR
38		41B11613Y03	SPRING, PULL
39		41B11613Y05	SPRING, LEV-ACT
40		41A11609Y01	SPRING, LEVER
41		41B30747Y01	SPRING, PLATE
42		41B11613Y12	SPRING, PULL
43		41A11040Y01	SPRING, SLED-HOE
44		03S72235F79	SCR, MCH M1. 4X3
45		43A21240Y01	SHEET, FPC PICK
47		45B11560Y01	SLIDER, LOAD
48		44B11586Y01	RACK
49		45A11601Y01	LEVER, TRIGER
50		44B11581Y01	GEAR, (D)
51		45B11594Y01	SLIDER, LOCK (L)
52		45A11592Y01	ARM, LOCK (L2)
53		03A11574Y01	SCREW, LOCK
54		45B11591Y01	ARM, LOCK (L1)
55		07A11585Y01	BKT, MOTOR WIRE
56		45B11593Y01	SLIDER, LOCK (R)
57		45B11607Y01	ARM, LOCK (R)
58		45A11597Y01	LEVER, SW
59		41B11613Y04	SPRING, TRIGER
60		75C30466Y02	DAMPER, DPS2
61		41B11613Y06	SPRING, PULL
62		41B11613Y07	SPRING, PULL
63		41B11613Y08	SPRING, PULL
64		41A11610Y01	SPRING, ROL
65		41A31894Y01	SPRING, SLIDER
67		03A21791Y01	SCREW, M2X3. 5 S-TITE
68		07B20905Y01	BKT, FPC CONT
69		30T15126W15	WIRE, PC JOINT 7P
72		41A21613Y01	SPRING, SPINDOL
74		14A30831Y01	INS, CVR
75		43A31443Y01	ROLLER, ARM DISC (C)
76		41B11613Y14	SPLING, PULL
77		75C30466Y03	DAMPER, DPS2
78		75S40755Y23	CUS, RUB 5X5XT0. 5

Exploded View (CD Deck Mechanism)

(DP23S07A)